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# PHYSICAL OCEANOGRAPHY REPORT

# HELICOPTER-BASED STD DATA FROM MIZEX 83

by T.O. Manley, Dennis Camp, Kenneth Hunkins, Werner Tiemann

## TECHNICAL REPORT

## LDGO - 84 - 3

Department of the Navy
Office of Naval Research
Contract N00014-76-C-0004

September 1984

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ARCTIC OCEANOGRAPHY

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Palisades, New York 10964

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# ABSTRACT

During the 1983 Marginal Ice Zone Experiment (MIZEX 83) located in the Fram Strait, both ship and helicopter-based C/STD's were used to define the finescale and larger oceanographic structures within the operational area. This technical report outlines the acquisition and data reduction programs for the 120 helicopter-based stations taken during that time period.

Very little manipulation was done to the data to finalize it, since both helicopter C/STD's showed very little deviation from pre- and post-cruise calibrations. The only exception was the calibration equation offsets for conductivity on both instruments. For these offset determinations, bottle and intercalibration data were used to define the coefficients. Response time of the temperature sensor was corrected for thermal lag constant ($\tau$) until descending and ascending parts of the cast on a T-S diagram were nearly congruent.

Standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity are given for each cast along with plotted profiles of temperature, salinity and sigma-t.

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# INTRODUCTION

In summer the central Arctic Ocean is covered with a mosaic of ice floes about 3 m in thickness and ranging up to several kilometers in width. In winter, sea ice extends far beyond the limits of this perennial pack, covering the entire Arctic Ocean, including the shelf seas, and reaching into the Bering Sea and Canadian Archipelago. The ice of this seasonal winter extension attains one to two meters in thickness. Ice extent varies also on scales other than seasonal, with fluctuations varying in length from hours and days to the ice age variations extending over millenia.

When observed from above, the open ocean is dark in color, while sea ice, when covered with snow, is white. The albedo (fraction of light reflected) is about 0.1 for the open sea and about 0.8 for snow-covered sea ice. This large contrast is albedos leads to strong contrast in radiation budgets between ice and open water, which relates directly to the heat budget over the ocean.

The fundamental question is how sea ice relates to weather and climate. There is clearly a close relationship, but it is not clear to what degree sea ice is a passive result of other climatic influences and to what degree it is an active element which is capable of itself interacting with ocean and atmosphere to produce effects which are not presently predictable. A number of ways in which ice, air and water interact have been identified, but their relative importance is not known.

The actual dividing line between sea ice and open ocean, the ice edge, should be the most sensitive area to influences controlling ice extent, and it is the region which has been chosen for study. The location of the edge of the ice pack depends upon the action of winds and currents, as well as on the heat budget. These factors are not straightforward since there is an interaction of air, sea and ice with each other in various feedback loops. For example, when the ocean freezes, albedo decreases sharply, and short-wave radiation, which has been warming the water, is reflected, thus intensifying the cooling effect in a positive feedback. Another positive feedback occurs when ice melts, stratifying the ocean with a surface layer of low salinity. The stratification inhibits vertical mixing and heat loss, thus slowing the rate of melting.

An understanding of these and other physical processes needs to be based on actual observations of ice edge changes. Such observations are essential for the design of models designed to reproduce these processes, making it possible to predict changes in ice edge location.

The ice margin in Fram Strait between Greenland and Svalbard may be characterized as "advective", dominated by ocean currents and wind, rather than by heat budget. In this region, sea ice from the Arctic Ocean is carried far south into the Atlantic by the cold, low-salinity East Greenland Current on the west side of the Strait. On the east side, the warm high-salinity West Spitsbergen Current keeps the coast nearly ice free throughout the year. The ocean in the Greenland Sea marginal ice zone is dominated by permanent and transient frontal systems, by eddies and by upwelling along the ice edge. Vertical fine structure (10 m) and mesoscale (100 m) structures formed by interleaving of Polar and Atlantic Water intrusions are also frequently observed.

These features are unique to the ocean in marginal ice zones and must interact with the ice and atmosphere. During summer for example, the front along the ice edge is intensified by meltwater input. Another interaction occurs when ocean eddies carry ice across the marginal ice zone into warmer water where it melts. In still another interaction, the strong stratification resulting from summer meltwater reduces vertical mixing of momentum and reduces the drag coefficient between ice and water so that floes drift faster given the same wind stress to drive them. We need to know the relative importance of these and other interactions in controlling the location of the ice edge. The Marginal Ice Zone Experiment (MIZEX) pilot program was designed to provide at least partial answers to some of these questions.

To help carry out oceanographic investigations over the ice-covered part of the marginal ice zone, two 206B Bell helicopters were used. A portable C/STD profiler, developed by Ocean Data Systems, has been modified and improved by the Lamont group for these helicopter surveys. During MIZEX 83, profiles were made at 120 sites comprising 10 surveys using helicopters based primarily on the Norwegian M/V POLARBJORN, with some flying also from the Norwegian R/V LANCE and FRG icebreaker, POLARSTERN (Fig. 1). These helicopter surveys are closely coordinated with STD surveys in open water carried out by oceanographers from the University of Bergen. The helicopter and ship results were combined to give synoptic views of oceanographic structure across the entire marginal ice zone, both open and covered.

## PHYSICAL OCEANOGRAPHY PROGRAM

During MIZEX 83, two Bell 206B Jet Rangers were stationed on the ice-strengthened ship, M/V POLARBJORN. The Jet Rangers were significantly smaller than the Bell 204 helicopter that was used exclusively during the 1979-1982 FRAM C/STD surveys (Manley, et al., 1982a; Manley, et al., 1982b).

Two internally-recording helicopter portable C/STD's manufactured by Ocean Data Equipment were used during this experiment. One was the newer,

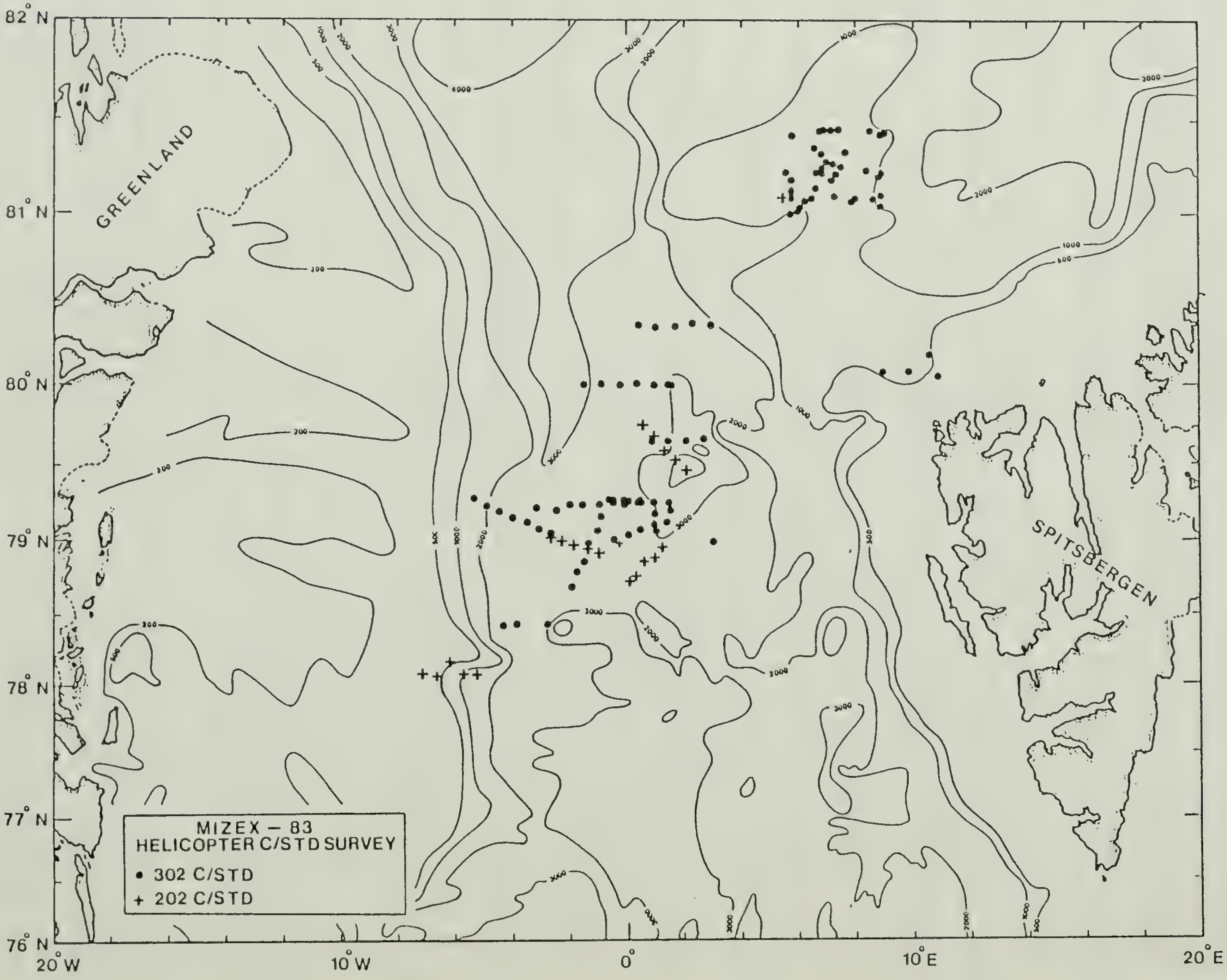


Figure 1 - Positions of the 302 and 202 C/STD stations in the Fram Strait. Of the 120 total stations, 108 were helicopter-based. Contours show bottom topography in meters.

more compact Model 302, and the second was the older Model 202. Prior to the experiment, a combination winch-platform/sonde-cradle support system was developed at Lamont to specifically conform to the passenger compartment of the Jet Ranger.

Unfortunately, the 202 underwater unit was longer than the helicopter width which prohibited the use of the sonde cradle. With some reorganization, the unit was fitted into the passenger compartment. Because of its weight, however, it was difficult to get it in and out. For this reason, the 202 was never used unless both helicopters would be running C/STD surveys concurrently or it was impossible to use the 302 at that time.

During a normal field day, eight to ten pre-selected locations were occupied in the Marginal Ice Zone. These stations took eight hours to complete, although factors such as inter-station distance, maximum distance from ship, depth of stations, survey pattern, and ice conditions could alter this time by ±3 hours. A C/STD station to 300 m depth would normally take 20 mintues to complete, while transit time in the helicopter to the next location 6 nautical miles (nm) away would be around 8 minutes.

Two of the major factors which controlled flight operations in this area were weather conditions and radio communications. Over 70% of the time spent in the MIZ had marginal flying conditions due to ground fog caused by the warm moist air being blown onto the ice cover. As the moisture-laden air cooled down, condensation produced, in some cases, 00-00 conditions.

Station location was determined by two different methods: 1) Radar transponder and 2) Omega. In surveys where station positions were close to the ship and accuracy was required, the helicopter was tracked on the ship's radar using a radar transponder mounted on the helicopter. This method was employed quite successfully during the first part of the experiment. At distances around 40 nm, relative position was good to ±200 meters. At shorter distances, less than 10 nm, the fixes were good to ± 10's of meters. During the time periods when fog was a problem, transponders were also used in guiding the helicopter to the ship.

Omega, on the other hand, allows more flexibility of the helicopter since longer flights away from the ship can be obtained and not as many shipboard personnel are required. Accuracy of Omega in this area of the globe depends on the number of sending stations being monitored by the onboard computer but will generally be within 100 to 500 meters.

After the position was obtained, the closest available floe with good deployment and landing characteristics was picked out from altitudes of 2,000-3,000 feet, which are necessary for radio communications at great distances from the ship.

After landing, the underwater unit would then be turned on, attached to the winch cable and deployed over the edge of the floe using a cantilever pulley. The sonde would remain at the surface for a short period of time for the sensors to reach equilibrium.

Data acquisition commenced at the time the unit was placed in the water, and was recorded at a rate of 5 scans per second, each scan comprised of a temperature, conductivity, and pressure observation. Data were also recorded during the uptrace.

The sonde was lowered and raised at two different rates, 20 m/min in the upper 100 meters where extreme gradients in temperature and conductivity are found, and 40 m/min from 100 to 300 m where gradients are much less. The slower rate near the surface was done primarily to obtain more acceptable results in the calculated salinity profile where rapidly changing finestructure and extreme gradients can frequently cause spiking due to the variations in the response times of the individual sensors.

When the sonde was finally brought to the surface, it was immediately taken back to the helicopter. The deck unit was then connected to it and data transferred to cassette. Two complete dumps of the data in RAM were placed on a single cassette as a safety precaution against bad recording. The cassette was then rewound and data verified with the LED displays on the deck unit.

Prior to leaving the site, the OMEGA system would be reinitialized to the latitude and longitude prior to landing. Because the OMEGA could not successfully lock onto stations while on the ice, several hundred feet of altitude had to be obtained. Site position was then entered into the navigation system as the final flyby over the site was made subsequent to the system acquiring the minimum number of OMEGA transmitting stations.

Remaining C/STD stations in the survey were then completed depending on the weather, radio communications, and occasionally a refueling of the helicopter onboard the ship.

After the completion of the survey, the underwater unit would be recharged (on the ship), while the data from the various stations were fed to an X-Y-Y analog plotter.

One major advantage of the output from the deck unit is that it reflects the most recent calibration available for the underwater unit. This allows for 1) easy comparison with previous data in the observational area, 2) the ability to merge data from other calibrated instruments in the field to obtain a better and possibly larger picture of the oceanic structure, and 3) the ability of the investigator to keep track of specific features within the ocean and alter observational plans accordingly.

When time and operations permitted, the deck unit was used to transfer the cassette data to a Hewlett-Packard 1000 series computer for storage on 9-track tape. The deck unit software was designed to mimic the output data stream of the Neil Brown deck unit. This allowed the use of existing acquisition software developed by Woods Hole Oceanographic Institution for Neil Brown CTDs to be used on the Hewlett-Packard computer. The resulting 9-track tape can be reduced on other computers using data reduction programs in common use by the oceanographic community.

This conversion to 9-track tapes at sea not only obviates the need to bring all of the cassettes immediately back to the institution, but also speeds up the processing time.

## C/STD DATA PROCESSING

Raw data from each instrument were then decimated into a uniform pressure series using a linear interpolation scheme with a window of 5 scans centered around the desired level. Due to the different digitizing resolutions of each instrument, two differnet pressure intervals were chosen. The higher resolution 302 had a 0.25 db interval, and the lower resolution 202 used a 0.50 db interval.

In order to define the best temperature lag coefficient, $\tau$, for each sensor, up and downtraces using different time constants were run through the entire data set and compared using T-S diagrams. From these comparisons it was determined that the best overall fits occurred when $\tau$ was set at 0.0 seconds and 0.375 seconds for the 202 and 302, respectively.

Irregularities or spikes in the data were removed subjectively. In most cases these were single points that were taken out and did not interrupt the uniform pressure series. Occasionally, segments of data would have to be removed and would either be replaced by interpolated data or left alone. These decisions were again subjective and depended largely on the local conductivity and temperature structure.

At the same time, the upper 2 meters of data (mean thickness of the ice) were automatically removed from each station. This was done to prevent misinterpretations of the results which were attributable to the methodology of taking the station (ie., through seal holes or off the edge of a floe).

In the final analysis, only 8 of the 120 stations had blocks of data greater than 10 m which were removed from the profiles.

## C/STD CALIBRATION

The final calibration for each of the sensors was determined primarily using an interpolated drift from the pre-cruise calibration (June 1983) to the post-cruise calibrations (October 1983), which were both done at Northwest Regional Calibration Center.

Tables 1 and 2 show the calibration equations for June and October of 1983 for all sensors on both instruments. With the exception of the conductivity intercept on both the 202 and 302, all other values were within accuracy specifications of the instruments.

The conductivity intercept for the 302 was provided by an inter-calibration run with a Neil Brown CTD located on the R/V LANCE, which in turn was calibrated with bottle samples. Throughout the profile, the conductivity between the 302 and the Neil Brown varied only by a constant indicating no pressure dependence on that channel. When the bottle data were determined, the conductivity intercept was computed using the previously determined calibration slope and appears in Table 1. The 202 conductivity intercept was determined in a similar manner, however, the intercalibration run was with the 302. Once the calibration equations were determined, final data were then computed and plotted.

TABLE 1

302 Calibration

Linear calibration equations for 302 sensors obtained from Northwest Regional Calibration Center before (June 1983) and after (October 1983) MIZEX 83 field experiment. Final equations are also shown. The letters m and B are the slope an intercept coefficients, respectively.

| | Conductivity mS | | Temperature °C | | Pressure PSIG | |
|---|---|---|---|---|---|---|
| | m | B | m | B | m | B |
| Jun 83 | .00474802 | -.175 | .00104764 | -2.403 | .129126 | -49.09 |
| Oct 83 | .00475859 | -.315 | .00105010 | -2.413 | .129075 | -48.83 |
| Final | .00475153 | -.267* | .00104846 | -2.405 | .129090 | -48.98 |

*provided by intercalibration

## TABLE 2

## 202 Calibration

Linear calibration equations for 202 sensors obtained from Northwest Regional Calibration Center before (June 1983) and after (October 1983) MIZEX 83 field experiment. Final equations are also shown.

| | Conductivity | mS | Temperature | °C | Pressure | PSIG |
|---|---|---|---|---|---|---|
| | m | B | m | B | m | B |
| Jun 83 | .0086566 | .378 | .00210846 | -2.638 | .262858 | -35.49 |
| Oct 83 | .0087483 | .097 | .00210319 | -2.651 | .26300 | -32.49 |
| Final | .0086795 | .283* | .00210714 | -2.641 | .262942 | -33.69 |

*provided by intercalibration

## STATION INFORMATION

In this section is a brief listing of all the CTD stations taken during MIZEX 83, along with other pertinent information. A list of the terms and their meanings is shown below

| | |
|---|---|
| CAMP | Name of Camp |
| STAT | CTD Station |
| MODE | 1 implies downtrace |
| | 2 implies uptrace |
| DAY | Day of Station |
| MON | Month of Station |
| YR | Year of Station |
| TIME | GMT Time of Station |
| CODE | Processing Code, see Table 2 |
| JULDAY | Julian Day (decimal) of station |
| D.MIN | Minimum Depth (meters) of station |
| D.MAX | Maximum Depth reached at station |
| LATITUDE | Latitude of station in decimal degrees |
| LONGITUDE | Longitude of station in decimal degrees |
| | (- indicates West Longitude) |
| LT. ERR | Error of Latitude Position in meters |
| LG. ERR | Error of Longitude Position in meters |

```
  CAMP     STAT MODE  DY MON YR TIME  CODE  AJXDAY   D.MIN  D.MAX    LATITUDE    LONGITUDE   LAT.ERR LNG.ERR

MIZEX-83     1    1   21 JUN 83 2025   1   172.8507   3.9   182.2    80.18420    10.55000     30.0    30.0
MIZEX-83     2    1   21 JUN 83 2232   1   172.9389   2.7   290.0    80.05450    10.89070     30.0    30.0
MIZEX-83     3    1   22 JUN 83   50   1   173.0347   4.7   310.1    80.08420     9.89170     30.0    30.0
MIZEX-83     4    1   22 JUN 83  235   1   173.1076   1.9   317.1    80.07470     8.97270     30.0    30.0
MIZEX-83     5    1   26 JUN 83 1435   1   177.6076   1.9   394.3    81.08620     5.48530     30.0    30.0
MIZEX-83     6    1   27 JUN 83 1425   1   178.6007   7.2   400.9    81.03480     6.18570     30.0    30.0
MIZEX-83     7    1   28 JUN 83 1357   1   179.5813   8.7   400.9    81.01830     6.04120     30.0    30.0
MIZEX-83     8    1   28 JUN 83 1645   1   179.6979   1.9   411.5    81.00800     5.70330     30.0    30.0
MIZEX-83     9    1   29 JUN 83 1043   1   180.4465   1.9   391.0    81.09050     6.12570     30.0    30.0
MIZEX-83    10    1   29 JUN 83 1454   1   180.6208   4.1   410.8    81.07930     6.25220     30.0    30.0
MIZEX-83    11    1   29 JUN 83 1540   1   180.6528   5.1    47.6    81.07930     6.25220     30.0    30.0
MIZEX-83    12    1    1 JUL 83 1314   1   182.5514   5.6   322.8    81.19070     7.15630     30.0    30.0
MIZEX-83    13    1    1 JUL 83 1635   1   182.6910   4.1   298.5    81.45000     7.14000    150.0   150.0
MIZEX-83    14    1    2 JUL 83 1127   1   183.4771   1.9   410.3    81.20050     7.34180     30.0    30.0
MIZEX-83    15    1    2 JUL 83 2222   1   183.9319   5.1   302.3    81.45670     7.42000    150.0   150.0
MIZEX-83    16    1    2 JUL 83 2320   1   183.9722   1.9   303.9    81.43000     5.78000    150.0   150.0
MIZEX-83    17    1    3 JUL 83    4   1   184.0028   1.9   301.7    81.18000     5.79000    150.0   150.0
MIZEX-83    18    1    3 JUL 83   49   1   184.0340  16.1   304.2    81.09000     5.78000    150.0   150.0
MIZEX-83    19    1    3 JUL 83  135   1   184.0660   1.9   302.7    81.09000     6.50000    150.0   150.0
MIZEX-83    20    1    3 JUL 83  215   1   184.0938   1.9   304.7    81.09000     7.15000    150.0   150.0
MIZEX-83    21    1    3 JUL 83  320   1   184.1389   9.4   299.7    81.08000     7.89000    150.0   150.0
MIZEX-83    22    1    3 JUL 83  622   1   184.2653   1.9   301.5    81.44000     9.00000    150.0   150.0
MIZEX-83    23    1    3 JUL 83  709   1   184.2979   1.9   301.5    81.21000     8.92000    150.0   150.0
MIZEX-83    24    1    3 JUL 83  749   1   184.3257   1.9   306.0    81.10000     8.92000    150.0   150.0
MIZEX-83    25    1    5 JUL 83 1253   1   186.5368  13.9   307.9    81.36000     6.62000    150.0   150.0
MIZEX-83    26    1    5 JUL 83 1336   1   186.5667   1.9   303.2    81.32000     6.79000    150.0   150.0
MIZEX-83    27    1    5 JUL 83 1351   1   186.5771   4.7   303.7    81.28770     6.97950     30.0    30.0
MIZEX-83    28    1    5 JUL 83 1440   1   186.6111   1.9   306.4    81.25000     6.83000    150.0   150.0
MIZEX-83    29    1    5 JUL 83 1520   1   186.6389   1.9   306.1    81.22000     6.62000    150.0   150.0
MIZEX-83    30    1    5 JUL 83 1556   1   186.6639   3.9   302.7    81.27000     7.23000    150.0   150.0
MIZEX-83    31    1    5 JUL 83 1635   1   186.6910   2.0   301.9    81.26000     7.51000    150.0   150.0
MIZEX-83    32    1    7 JUL 83 1451   1   188.6188   5.6   303.9    81.46000     7.46000    150.0   150.0
MIZEX-83    33    1    7 JUL 83 1532   1   188.6472   3.7   305.4    81.43000     8.91000    150.0   150.0
MIZEX-83    34    1    7 JUL 83 1618   1   188.6792   1.9   299.5    81.21000     8.83000    150.0   150.0
MIZEX-83    35    1    7 JUL 83 1655   1   188.7049   1.9   300.2    81.08000     8.72000    150.0   150.0
MIZEX-83    36    1    7 JUL 83 1742   1   188.7375   1.9   301.2    81.08000     7.99000    150.0   150.0
MIZEX-83    37    1    7 JUL 83 1830   1   188.7708   1.9   305.7    81.10000     7.25000    150.0   150.0
MIZEX-83    38    1    7 JUL 83 1910   1   188.7986   1.9   300.8    81.14000     6.63000    150.0   150.0
MIZEX-83    39    1    7 JUL 83 2018   1   188.8458   1.9   305.4    81.11000     5.80000    150.0   150.0
MIZEX-83    40    1    7 JUL 83 2100   1   188.8750   1.9   306.4    81.21000     5.70000    150.0   150.0
MIZEX-83    41    1    7 JUL 83 2210   1   188.9236   1.9   306.9    81.45000     5.80000    150.0   150.0
MIZEX-83    42    1    8 JUL 83 1948   1   189.8250   4.4   306.1    81.34780     7.63580     30.0    30.0
MIZEX-83    43    1    8 JUL 83 2032   1   189.8556   3.7   306.7    81.23000     8.37000    150.0   150.0
MIZEX-83    44    1    8 JUL 83 2119   1   189.8882   2.6   297.2    81.22000     6.82000    150.0   150.0
MIZEX-83    45    1    8 JUL 83 2202   1   189.9181   4.1   297.8    81.46000     6.84000    150.0   150.0
MIZEX-83    46    1    8 JUL 83 2253   1   189.9535   3.9   303.2    81.45000     8.46000    150.0   150.0
MIZEX-83    47    1   11 JUL 83 1356   1   192.5806   3.2   301.7    80.36670     2.97170    300.0   300.0
MIZEX-83    48    1   11 JUL 83 1436   1   192.6083   1.9   292.8    80.37330     2.35500    300.0   300.0
MIZEX-83    49    1   11 JUL 83 1523   1   192.6410   1.9   318.6    80.36000     1.73000    300.0   300.0
MIZEX-83    50    1   11 JUL 83 1609   1   192.6729   1.9   306.4    80.36170     1.05670    300.0   300.0
MIZEX-83    51    1   11 JUL 83 1650   1   192.7014   1.9   302.0    80.37000     0.42500    300.0   300.0
MIZEX-83    52    1   11 JUL 83 2108   1   192.8806   1.9   305.7    80.00670     1.60170    300.0   300.0
MIZEX-83    53    1   11 JUL 83 2208   1   192.9222   1.9   303.5    79.99330     1.00330    300.0   300.0
MIZEX-83    54    1   11 JUL 83 2250   1   192.9514   1.9   305.2    80.00830     0.38170    300.0   300.0
MIZEX-83    55    1   11 JUL 83 2333   1   192.9812   1.9   300.9    80.00000    -0.23500    300.0   300.0
MIZEX-83    56    1   12 JUL 83   13   1   193.0090   1.9   303.2    80.00000    -0.86330    300.0   300.0
MIZEX-83    57    1   12 JUL 83 1444   1   193.6139   4.1   301.5    79.65500     2.74170    300.0   300.0
MIZEX-83    58    1   12 JUL 83 1532   1   193.6472   1.9   307.6    79.64830     2.15500    300.0   300.0
MIZEX-83    59    1   12 JUL 83 1616   1   193.6778   1.9   299.0    79.64830     1.48830    300.0   300.0
MIZEX-83    60    1   12 JUL 83 1657   1   193.7063   1.9   306.4    79.64670     0.90330    300.0   300.0
MIZEX-83    61    1   15 JUL 83 1917   1   196.8035   1.9   307.9    79.20330     1.56500    300.0   300.0
MIZEX-83    62    1   15 JUL 83 1935   1   196.8160   1.9   303.5    79.44500     2.08330    300.0   300.0
MIZEX-83    63    1   15 JUL 83 2005   1   196.8368   1.9   297.5    79.16670     0.98670    300.0   300.0
MIZEX-83    64    1   15 JUL 83 2038   1   196.8597   1.9   301.1    79.53170     1.70330    300.0   300.0
MIZEX-83    65    1   15 JUL 83 2056   1   196.8722   1.9   314.1    79.24500     0.47670    300.0   300.0
MIZEX-83    66    1   15 JUL 83 2136   1   196.9000   1.9   299.1    79.60170     1.30170    300.0   300.0
MIZEX-83    67    1   15 JUL 83 2147   1   196.9076   1.9   303.7    79.25170    -0.02830    300.0   300.0
MIZEX-83    68    1   15 JUL 83 2230   1   196.9375   1.9   296.1    79.67670     0.96500    300.0   300.0
MIZEX-83    69    1   15 JUL 83 2240   1   196.9444   1.9   302.0    79.25500    -0.60170    300.0   300.0
MIZEX-83    70    1   15 JUL 83 2321   1   196.9729   1.9   294.5    79.75330     0.61170    300.0   300.0
```

```
  CAMP     STAT MODE  DY MON YR TIME  CODE  AJXDAY    D.MIN  D.MAX     LATITUDE    LONGITUDE  LAT.ERR LNG.ERR

MIZEX-83    71   1    18 JUL 83 1358   1    199.5819   1.9   301.9     78.94670     1.35500   300.0   300.0
MIZEX-83    72   1    18 JUL 83 1425   1    199.6007   4.9   408.8     79.25500     1.50000   300.0   300.0
MIZEX-83    73   1    18 JUL 83 1450   1    199.6181   1.9   308.0     78.88830     1.01170   300.0   300.0
MIZEX-83    74   1    18 JUL 83 1519   1    199.6382   4.1   408.6     79.25000     1.01670   300.0   300.0
MIZEX-83    75   1    18 JUL 83 1539   1    199.6521   1.9   326.2     78.83670     0.63500   300.0   300.0
MIZEX-83    76   1    18 JUL 83 1608   1    199.6722   1.9   406.3     79.25330     0.42670   300.0   300.0
MIZEX-83    77   1    18 JUL 83 1626   1    199.6847   1.9   299.5     78.76170     0.37670   300.0   300.0
MIZEX-83    78   1    18 JUL 83 1714   1    199.7181   1.9   306.6     78.73170     0.08500   300.0   300.0
MIZEX-83    79   1    18 JUL 83 1723   1    199.7243   3.9   399.2     79.00000     3.01330   300.0   300.0
MIZEX-83    80   1    19 JUL 83 1806   1    200.7542   4.9   400.4     79.25000     0.05000   300.0   300.0
MIZEX-83    81   1    19 JUL 83 1903   1    200.7937   7.4   301.2     79.25670     0.51500   300.0   300.0
MIZEX-83    82   1    19 JUL 83 1950   1    200.8264   5.6   402.4     79.01000    -0.47500   300.0   300.0
MIZEX-83    83   1    19 JUL 83 2039   1    200.8604   1.9   396.7     79.03330     0.05500   300.0   300.0
MIZEX-83    84   1    19 JUL 83 2124   1    200.8917   4.1   384.3     79.06830     0.49670   300.0   300.0
MIZEX-83    85   1    19 JUL 83 2209   1    200.9229   3.2   396.4     79.10170     1.03170   300.0   300.0
MIZEX-83    86   1    19 JUL 83 2304   1    200.9611   1.9   397.9     79.13170     1.43170   300.0   300.0
MIZEX-83    87   1    20 JUL 83 1559   1    201.6660   1.9   301.1     78.97830    -1.28000   300.0   300.0
MIZEX-83    88   1    21 JUL 83  818   1    202.3458   1.9   309.0     79.02830    -2.62170   300.0   300.0
MIZEX-83    89   1    21 JUL 83  820   1    202.3472   1.9   307.6     79.04330    -2.66170   300.0   300.0
MIZEX-83    90   1    21 JUL 83  855   1    202.3715   1.9   307.9     79.08500    -3.08670   300.0   300.0
MIZEX-83    91   1    21 JUL 83  943   1    202.4049   1.9   307.6     79.11500    -3.48330   300.0   300.0
MIZEX-83    92   1    21 JUL 83 1029   1    202.4368   1.9   304.2     79.15500    -3.98330   300.0   300.0
MIZEX-83    93   1    21 JUL 83 1114   1    202.4681   1.9   303.9     79.19170    -4.41830   300.0   300.0
MIZEX-83    94   1    21 JUL 83 1206   1    202.5042   1.9   293.3     79.22830    -4.88500   300.0   300.0
MIZEX-83    95   1    21 JUL 83 1254   1    202.5375   1.9   303.5     79.00000    -2.23500   300.0   300.0
MIZEX-83    96   1    21 JUL 83 1259   1    202.5410   1.9   298.0     79.26170    -5.33500   300.0   300.0
MIZEX-83    97   1    21 JUL 83 1344   1    202.5722   1.9   301.6     78.97000    -1.87330   300.0   300.0
MIZEX-83    98   1    21 JUL 83 1441   1    202.6118   1.9   351.0     78.94170    -1.39670   300.0   300.0
MIZEX-83    99   1    21 JUL 83 1529   1    202.6451   6.9   309.9     78.91330    -0.98330   300.0   300.0
MIZEX-83   100   1    22 JUL 83  747   1    203.3243   2.5   306.4     79.24830    -0.52330   300.0   300.0
MIZEX-83   101   1    22 JUL 83  823   1    203.3493   1.9   305.2     79.16170    -0.86000   300.0   300.0
MIZEX-83   102   1    22 JUL 83  856   1    203.3722   1.9   302.0     79.07170    -1.05500   300.0   300.0
MIZEX-83   103   1    22 JUL 83  929   1    203.3951   1.9   302.4     78.97500    -1.35330   300.0   300.0
MIZEX-83   104   1    22 JUL 83 1000   1    203.4167   1.9   287.3     78.87830    -1.48500   300.0   300.0
MIZEX-83   105   1    22 JUL 83 1032   1    203.4389   1.9   306.7     78.78500    -1.76170   300.0   300.0
MIZEX-83   106   1    22 JUL 83 1104   1    203.4611   1.9   297.5     78.69170    -1.93500   300.0   300.0
MIZEX-83   107   1    25 JUL 83 2001   1    206.8340   1.9   303.7     79.24500    -0.03000   300.0   300.0
MIZEX-83   108   1    25 JUL 83 2041   1    206.8618   1.9   301.2     79.24000    -0.49330   300.0   300.0
MIZEX-83   109   1    25 JUL 83 2119   1    206.8882   2.9   299.0     79.23330    -0.95500   300.0   300.0
MIZEX-83   110   1    25 JUL 83 2156   1    206.9139   1.9   306.9     79.23330    -1.52830   300.0   300.0
MIZEX-83   111   1    25 JUL 83 2229   1    206.9368   1.9   304.9     79.23170    -1.97500   300.0   300.0
MIZEX-83   112   1    25 JUL 83 2303   1    206.9604   1.9   300.5     79.20000    -2.49670   300.0   300.0
MIZEX-83   113   1    25 JUL 83 2340   1    206.9861   1.9   296.0     79.21330    -3.13170   300.0   300.0
MIZEX-83   114   1    28 JUL 83 1420   1    209.5972   1.9   303.5     78.07830    -5.23330   300.0   300.0
MIZEX-83   115   1    28 JUL 83 1511   1    209.6326   1.9   301.9     78.08000    -5.68170   300.0   300.0
MIZEX-83   116   1    28 JUL 83 1601   1    209.6674   1.9   301.6     78.08000    -6.17330   300.0   300.0
MIZEX-83   117   1    28 JUL 83 1813   1    209.7590   3.4   510.0     78.42500    -4.32330   150.0   150.0
MIZEX-83   118   1    28 JUL 83 1854   1    209.7875   3.9   513.5     78.42670    -3.81670   150.0   150.0
MIZEX-83   119   1    28 JUL 83 1959   1    209.8326   1.9   449.5     78.42670    -2.78330   150.0   150.0
MIZEX-83   120   1    31 JUL 83 1454   1    212.6208   1.9   494.9     80.00000     1.45000    30.0    30.0
```

## OUTPUT FORMAT OF FINAL DATA

Station information is provided in two different formats consisting of 1) numerical listings, and 2) profiles of temperature, salinity and sigma-t (T-S-$\sigma_t$) versus depth.

In general, two profiles of T-S-$\sigma_t$ are graphically shown on one page of the data report. On the facing page, the corresponding numerical listings of the station are shown. The numerical data consist of the parameters relating to the station, and in some cases are abbreviated to save space. A listing of these abbreviated terms and their meanings is given in Table 3. The main body of the numerical listings consists of values of temperature, potential temperature, salinity, sigma-t ($\sigma_t$), specific volume anomaly, dynamic height and sound velocity against various interpolated levels of depth. Since upper surface layer data are omitted from the data set (mean ice thickness) surface values of temperature and salinity are duplicated from the first data seen in the cast. The first and last data of the station are shown as one of the first values below the depth of 0.0 meters and the last values of the listing, respectively.

Corresponding profiles of temperature, salinity and sigma-t for the station listing are shown on the facing page. The label at the end of each trace (T-S-$\sigma_t$) indicates the parameter of temperature, salinity and sigma-t, respectively. Scales at the upper part of the diagram are labeled to correspond to the parameters and are also shifted with respect to one another to provide the maximum amount of clarity of the traces. Depth is in meters. Station identification and data are in the lower left hand corner in the following format:

MIZEX 83 STN-MOD

MONTH - DAY - YEAR

where

STN is the station number

MOD is the mode

1 = downtrace

2 = uptrace

## TABLE 3

## Definition and Meanings of Abbreviated Terms in the Station Listing

| | |
|---|---|
| Station xxx (y) | Station number (xxx) and mode of trace (y) where: |
| CTD | Station taken with CTD y = 1 indicates downtrace<br>y = 2 indicates uptrace |
| GMT | Times shwon are Greenwich Mean Time |
| Code = I | Processing Code where if I = |
| A) | 1 - 5 profile contains both temperature and salinity data.<br>1) data from magnetic tape<br>2) data from manual digitization of analog charts<br>3) subsequent filtering below 250 m in salinity only<br>4) subsequent filtering below 250 m in temperature only<br>5) subsequent filtering below 250 m in both temperature and salinity |
| B) | 11 - 13 profile is in salinity only<br>11) data from magnetic tape<br>12) data from manual digitization of analog charts<br>13) filtered below 250 meters |
| C) | 21 - 23 profile in temperature only<br>21) data from magnetic tape<br>22) data from manual digitization of analog charts<br>23) filtered below 250 meters |
| LAT | Latitude in decimal degrees N (North) |
| LONG | Longitude in decimal degrees W (West) |
| LTER | Estimate of positional error for latitude in meters |
| LGER | Estimate of positional error for longitude in meters |
| AIR TEMP | Air temperature in deg. C at 7.8 meters above surface of ice |
| BAROM | Barometric pressure in millibars, taken at surface |
| WIND | Wind direction in deg. true north, taken at 9.2 meters above surface of ice |
| SPEED | Wind speed in meters/sec taken at 9.2 meters above surface of ice |

## TABLE 3 (continued)

### LISTING PARAMETERS

| | |
|---|---|
| DEPTH | Depth in meters |
| TEMP | Temperature in degrees C |
| PTEMP | Potential temperature in degrees C |
| SALIN | Salinity in parts per thousand |
| SIG T | Sigma-t density where:<br>density ($\rho$) = 1.0 ((Sig T) * 1000.0) |
| SPVOL | Specific volume anomaly (x $10^{-5} cm^3/gm$) |
| DYNHT | Dynamic height (dynamic meters) |
| SOUND | Sound velocity in meters/sec calculated from Matthews equation |

### BOTTLE DATA LISTING

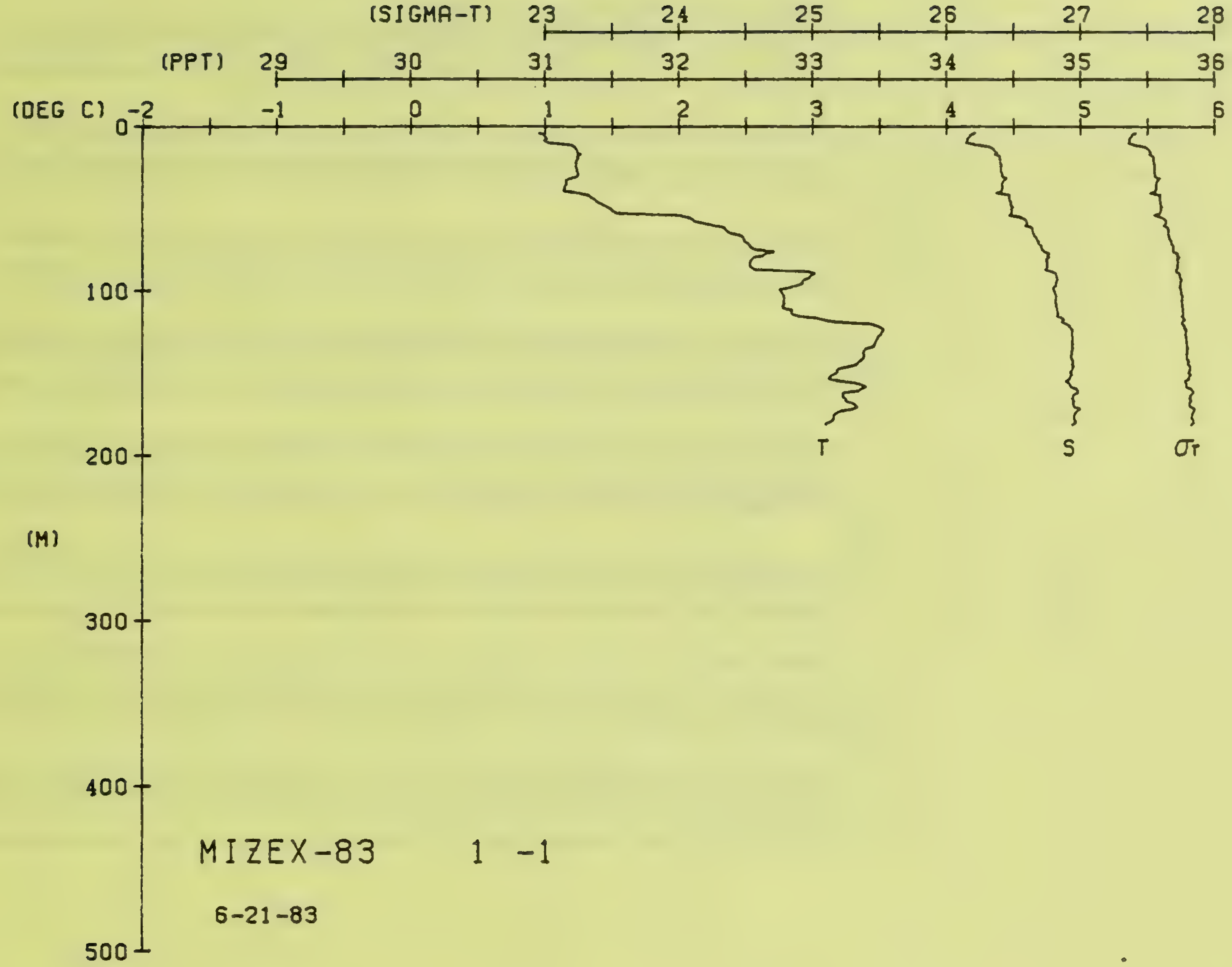
| | |
|---|---|
| DEPTH | Depth in meters at which bottle was tripped |
| TEMP | Average temperature of reversing thermometer in degrees C |
| SAL | Determined salinity of water sample taken at depth indicated, in ppt |

## STD DATA

This section provides all of the helicopter-based STD data taken during MIZEX 83. The numerical listing and corresponding plots are given.

```
MIZEX-83 STATION    1(1) CTD  21/JUN/1983 2025 GMT   CODE = 1
LAT = 80.1842N LNG = -10.5500W LTER =      30.  LGER =      30.
AIR TEMP =     0.0 BAROM =       0.0 WIND =    0.0 SPEED =    0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0     0.99    0.99   34.19   27.39    67.4   0.000   1452.7
   3.9     0.99    0.99   34.19   27.39    67.4   0.003   1452.7
   5.0     1.00    1.00   34.16   27.37    69.4   0.003   1452.8
  10.0     1.02    1.02   34.13   27.35    71.9   0.007   1452.9
  15.0     1.24    1.24   34.36   27.52    55.9   0.010   1454.3
  20.0     1.25    1.24   34.39   27.54    53.6   0.013   1454.4
  25.0     1.23    1.23   34.40   27.55    52.8   0.016   1454.4
  30.0     1.23    1.23   34.43   27.57    50.8   0.018   1454.6
  35.0     1.15    1.15   34.41   27.56    52.0   0.021   1454.3
  40.0     1.14    1.14   34.41   27.56    51.5   0.024   1454.3
  45.0     1.38    1.37   34.47   27.60    48.3   0.026   1455.5
  50.0     1.47    1.47   34.49   27.60    47.9   0.028   1456.1
  55.0     2.03    2.02   34.56   27.62    46.4   0.031   1458.7
  60.0     2.21    2.21   34.62   27.65    43.8   0.033   1459.7
  65.0     2.38    2.38   34.65   27.66    42.8   0.035   1460.5
  70.0     2.49    2.49   34.68   27.68    41.1   0.037   1461.1
  75.0     2.57    2.56   34.72   27.70    39.2   0.039   1461.6
  80.0     2.56    2.56   34.76   27.73    35.7   0.041   1461.7
  85.0     2.53    2.52   34.75   27.73    36.6   0.043   1461.6
  90.0     3.02    3.01   34.82   27.74    35.4   0.045   1463.9
  95.0     2.92    2.91   34.81   27.74    35.3   0.047   1463.6
 100.0     2.75    2.75   34.80   27.75    34.4   0.049   1462.9
 110.0     2.77    2.77   34.81   27.76    34.0   0.052   1463.2
 120.0     3.36    3.35   34.85   27.73    36.7   0.056   1465.9
 130.0     3.47    3.47   34.94   27.79    31.0   0.059   1466.7
 140.0     3.38    3.37   34.93   27.79    31.0   0.062   1466.4
 150.0     3.18    3.17   34.92   27.80    29.9   0.065   1465.8
 160.0     3.36    3.35   34.96   27.82    28.2   0.068   1466.7
 170.0     3.32    3.31   34.96   27.82    28.2   0.071   1466.7
 180.0     3.13    3.12   34.95   27.83    27.6   0.074   1466.1
 182.2     3.10    3.08   34.94   27.82    28.1   0.074   1465.9

                    DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION    2(1) CTD  21/JUN/1983 2232 GMT   CODE = 1
LAT = 80.0545N LNG = -10.8907W LTER =      30.  LGER =      30.
AIR TEMP =     0.0 BAROM =       0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0     1.41    1.41   34.14   27.33    73.5   0.000   1454.5
   2.7     1.41    1.41   34.14   27.33    73.6   0.002   1454.5
   5.0     1.43    1.43   34.16   27.34    72.1   0.004   1454.7
  10.0     1.46    1.46   34.15   27.33    73.3   0.007   1454.9
  15.0     1.49    1.49   34.14   27.32    74.4   0.011   1455.1
  20.0     2.22    2.22   34.37   27.45    62.0   0.015   1458.7
  25.0     2.90    2.90   34.68   27.64    44.2   0.017   1462.2
  30.0     2.86    2.86   34.70   27.66    42.6   0.019   1462.1
  35.0     2.80    2.80   34.69   27.66    42.6   0.022   1461.9
  40.0     2.84    2.83   34.71   27.67    41.4   0.024   1462.2
  45.0     2.89    2.89   34.73   27.68    41.0   0.026   1462.5
  50.0     3.10    3.09   34.76   27.68    40.4   0.028   1463.5
  55.0     3.09    3.09   34.75   27.68    40.8   0.030   1463.6
  60.0     3.13    3.12   34.77   27.69    39.7   0.032   1463.8
  65.0     3.31    3.31   34.83   27.72    37.2   0.034   1464.8
  70.0     3.69    3.68   34.98   27.80    29.7   0.036   1466.7
  75.0     4.13    4.12   34.95   27.74    35.9   0.037   1468.6
  80.0     4.23    4.23   34.98   27.75    35.0   0.039   1469.1
  85.0     4.27    4.26   34.99   27.75    34.8   0.041   1469.4
  90.0     4.18    4.17   34.99   27.76    34.1   0.043   1469.1
  95.0     4.19    4.18   34.99   27.76    33.7   0.044   1469.2
 100.0     4.06    4.05   34.97   27.76    34.1   0.046   1468.7
 110.0     3.49    3.48   34.91   27.77    32.9   0.049   1466.4
 120.0     2.15    2.15   34.75   27.76    33.7   0.053   1460.6
 130.0     2.10    2.09   34.82   27.82    27.9   0.056   1460.6
 140.0     2.13    2.12   34.81   27.81    28.5   0.059   1460.9
 150.0     2.18    2.17   34.84   27.83    27.3   0.061   1461.3
 160.0     2.35    2.34   34.87   27.84    26.0   0.064   1462.3
 170.0     2.75    2.74   34.94   27.86    24.6   0.067   1464.3
 180.0     2.68    2.67   34.94   27.87    24.0   0.069   1464.1
 190.0     2.43    2.42   34.93   27.88    23.0   0.072   1463.2
 200.0     2.51    2.50   34.94   27.88    22.7   0.074   1463.7
 210.0     2.45    2.44   34.94   27.89    21.9   0.076   1463.6
 220.0     2.40    2.39   34.94   27.89    21.5   0.078   1463.6
 230.0     2.26    2.24   34.95   27.91    19.8   0.080   1463.1
 240.0     2.24    2.23   34.95   27.91    19.7   0.082   1463.2
 250.0     2.23    2.21   34.94   27.91    20.2   0.084   1463.3
 260.0     2.19    2.17   34.95   27.91    19.8   0.086   1463.3
 270.0     2.10    2.09   34.95   27.92    18.9   0.088   1463.1
 280.0     2.08    2.06   34.95   27.92    18.7   0.090   1463.2
 290.0     2.06    2.05   34.95   27.93    18.7   0.092   1463.3
 290.0     2.06    2.05   34.95   27.92    18.7   0.092   1463.3

                    DEPTH        TEMP.        SALIN
```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(M)
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400
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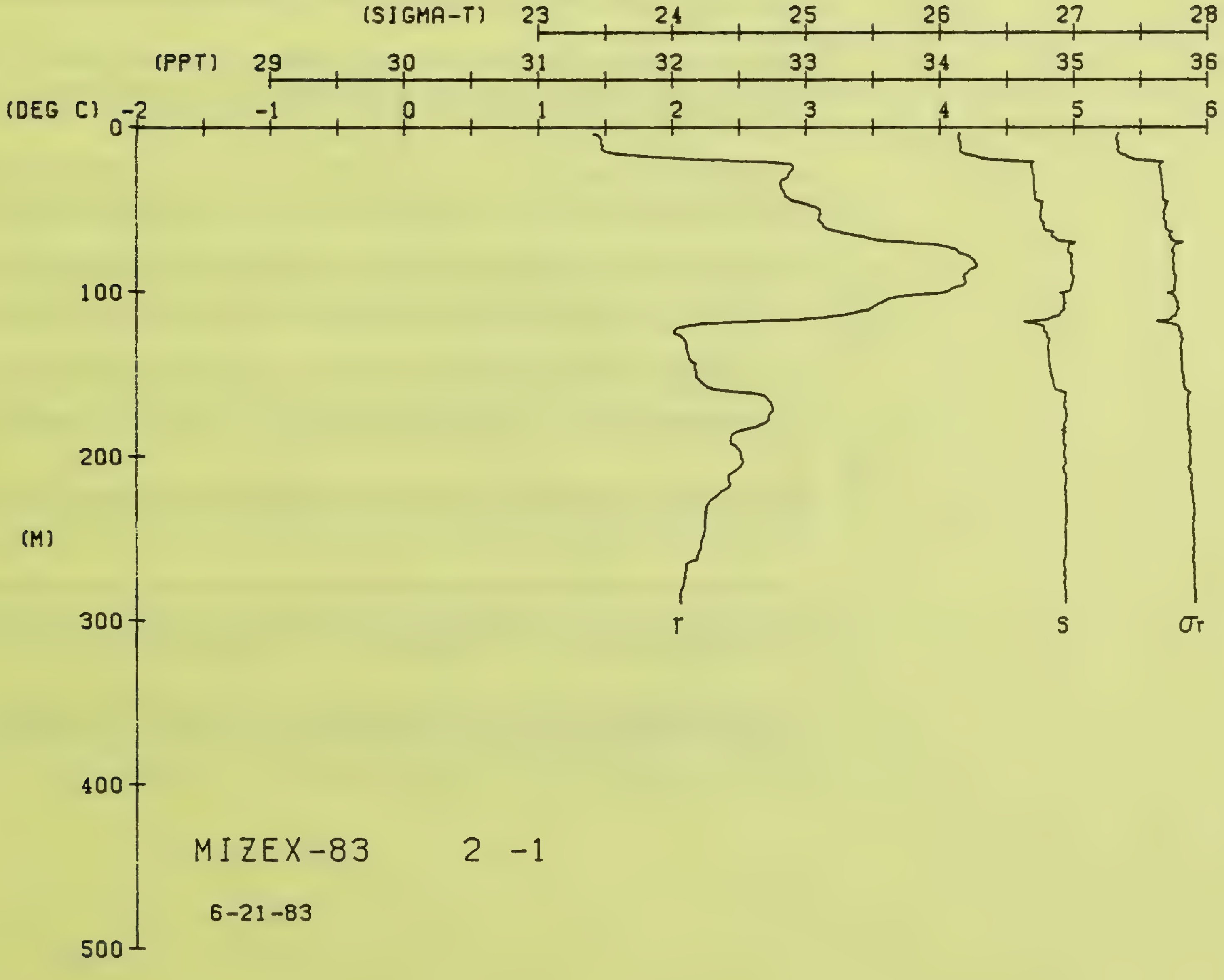
$\sigma_T$
MIZEX-83 1 -1
6-21-83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(PPT) 29 30 31 32 33 34 35 36
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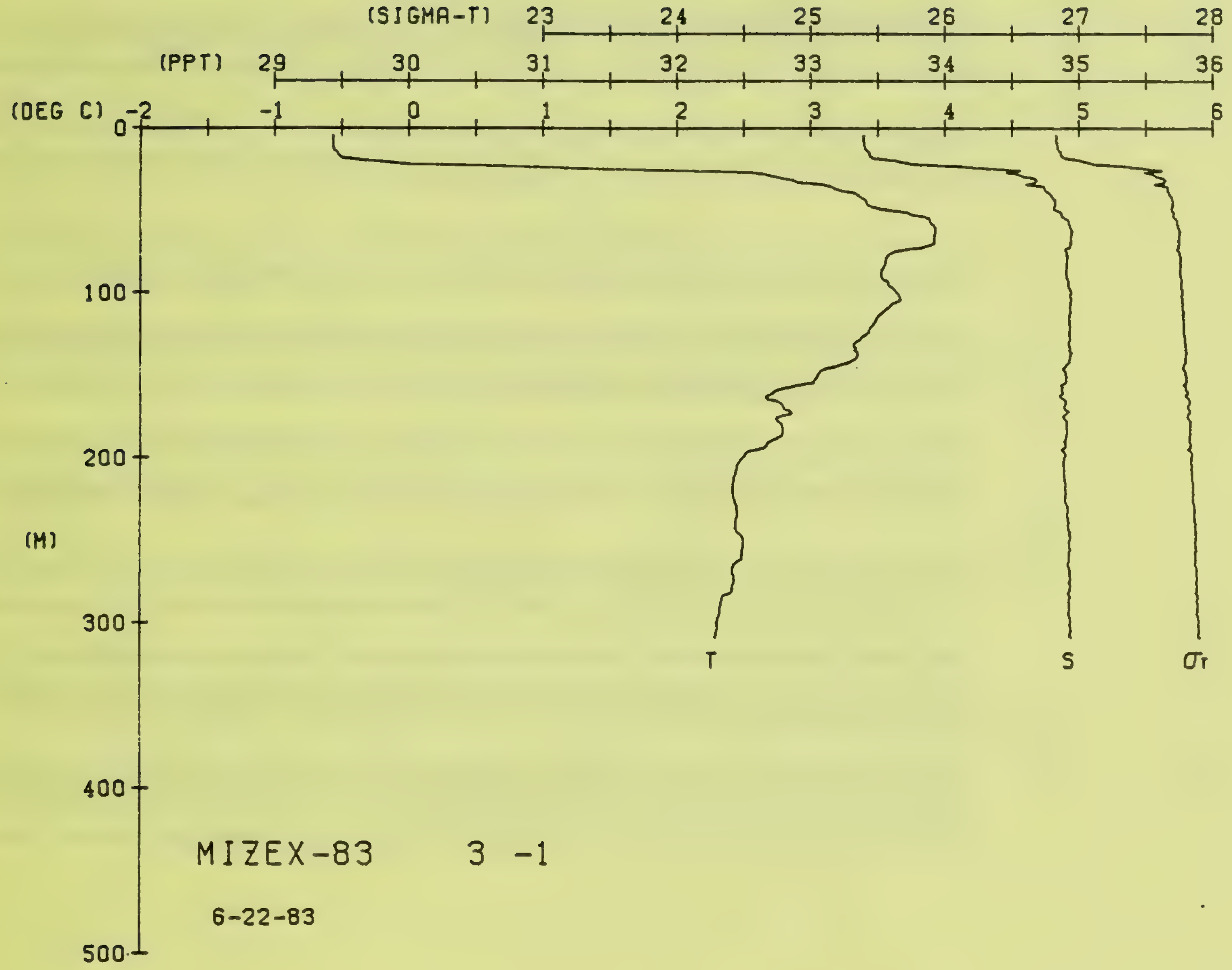
0
100
200
(M)
300
400
500
T
S
$\sigma_T$
MIZEX-83 2 -1
6-21-83

```
MIZEX-83 STATION   3(1) CTD  22/JUN/1983   50 GMT  CODE = 1
LAT = 80.0842N LNG =  -9.8917W LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -0.56  -0.56   33.41   26.84   119.5   0.000   1444.5
   4.7  -0.56  -0.56   33.41   26.84   119.5   0.006   1444.6
   5.0  -0.56  -0.56   33.40   26.84   119.7   0.006   1444.6
  10.0  -0.57  -0.57   33.39   26.83   120.7   0.012   1444.6
  15.0  -0.53  -0.53   33.43   26.87   117.4   0.018   1444.9
  20.0  -0.36  -0.36   33.61   27.00   104.7   0.024   1446.0
  25.0   1.23   1.23   34.31   27.48    59.5   0.028   1454.3
  30.0   2.73   2.73   34.59   27.59    49.5   0.031   1461.4
  35.0   3.09   3.09   34.65   27.60    48.3   0.033   1463.1
  40.0   3.33   3.33   34.77   27.67    41.3   0.035   1464.4
  45.0   3.41   3.41   34.83   27.71    37.7   0.037   1464.9
  50.0   3.55   3.55   34.81   27.68    40.6   0.039   1465.5
  55.0   3.88   3.87   34.89   27.71    37.6   0.041   1467.1
  60.0   3.93   3.92   34.94   27.74    35.0   0.043   1467.5
  65.0   3.92   3.91   34.94   27.75    34.7   0.045   1467.5
  70.0   3.92   3.91   34.95   27.75    34.0   0.047   1467.6
  75.0   3.62   3.61   34.91   27.75    34.1   0.048   1466.4
  80.0   3.55   3.55   34.91   27.76    33.8   0.050   1466.2
  85.0   3.54   3.53   34.91   27.76    33.6   0.052   1466.2
  90.0   3.52   3.51   34.91   27.76    33.2   0.054   1466.2
  95.0   3.57   3.56   34.91   27.76    33.5   0.055   1466.5
 100.0   3.64   3.64   34.93   27.77    32.8   0.057   1466.9
 110.0   3.55   3.55   34.93   27.78    32.0   0.060   1466.7
 120.0   3.45   3.44   34.93   27.79    31.0   0.063   1466.4
 130.0   3.33   3.33   34.92   27.79    31.1   0.066   1466.1
 140.0   3.33   3.32   34.93   27.80    30.0   0.070   1466.3
 150.0   3.04   3.04   34.90   27.80    30.2   0.073   1465.1
 160.0   2.72   2.71   34.87   27.81    29.1   0.076   1463.9
 170.0   2.80   2.79   34.88   27.81    29.2   0.079   1464.4
 180.0   2.78   2.76   34.91   27.83    27.0   0.081   1464.5
 190.0   2.69   2.68   34.89   27.82    28.0   0.084   1464.3
 200.0   2.49   2.48   34.89   27.84    26.5   0.087   1463.5
 210.0   2.43   2.41   34.89   27.85    26.0   0.090   1463.4
 220.0   2.41   2.40   34.90   27.85    25.3   0.092   1463.6
 230.0   2.44   2.43   34.91   27.86    24.4   0.095   1463.9
 240.0   2.42   2.41   34.92   27.87    23.7   0.097   1464.0
 250.0   2.49   2.48   34.93   27.87    23.7   0.100   1464.4
 260.0   2.48   2.46   34.92   27.87    23.9   0.102   1464.6
 270.0   2.41   2.40   34.93   27.88    23.0   0.104   1464.4
 280.0   2.41   2.39   34.93   27.88    23.1   0.107   1464.6
 290.0   2.31   2.30   34.93   27.89    22.2   0.109   1464.3
 300.0   2.29   2.27   34.93   27.89    22.0   0.111   1464.4
 310.0   2.27   2.25   34.94   27.90    20.9   0.113   1464.5
 310.1   2.27   2.25   34.94   27.90    21.0   0.113   1464.5

                       DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION   4(1) CTD  22/JUN/1983  235 GMT  CODE = 1
LAT = 80.0747N LNG =  -8.9727W LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   0.96   0.96   33.88   27.15    90.5   0.000   1452.1
  1.9   0.96   0.96   33.88   27.15    90.5   0.002   1452.2
  5.0   0.95   0.95   33.81   27.09    96.2   0.005   1452.0
 10.0   1.70   1.70   34.18   27.34    72.8   0.009   1456.0
 15.0   2.32   2.32   34.51   27.56    52.2   0.012   1459.2
 20.0   2.54   2.54   34.60   27.61    47.2   0.015   1460.4
 25.0   3.00   3.00   34.75   27.68    40.2   0.017   1462.7
 30.0   2.82   2.82   34.80   27.74    34.6   0.019   1462.1
 35.0   2.43   2.42   34.69   27.69    39.7   0.021   1460.3
 40.0   2.59   2.59   34.72   27.70    38.9   0.023   1461.1
 45.0   2.67   2.67   34.72   27.69    39.4   0.025   1461.5
 50.0   3.04   3.03   34.81   27.73    36.3   0.026   1463.3
 55.0   3.65   3.64   34.83   27.69    40.0   0.028   1466.1
 60.0   3.70   3.70   34.89   27.73    36.3   0.030   1466.4
 65.0   3.16   3.15   34.80   27.71    37.9   0.032   1464.1
 70.0   3.01   3.00   34.84   27.75    33.9   0.034   1463.6
 75.0   3.12   3.12   34.86   27.76    33.3   0.036   1464.2
 80.0   3.16   3.16   34.87   27.77    32.9   0.037   1464.5
 85.0   3.26   3.26   34.93   27.80    29.3   0.039   1465.0
 90.0   3.47   3.46   34.93   27.78    31.5   0.041   1466.0
 95.0   3.46   3.45   34.91   27.77    33.0   0.042   1466.0
100.0   3.23   3.22   34.90   27.78    31.5   0.044   1465.1
110.0   3.45   3.44   34.95   27.80    29.8   0.047   1466.3
120.0   3.34   3.33   34.93   27.80    29.9   0.050   1466.0
130.0   3.31   3.30   34.94   27.81    29.3   0.053   1466.0
140.0   3.22   3.21   34.94   27.82    28.3   0.056   1465.8
150.0   3.12   3.11   34.94   27.83    27.7   0.059   1465.5
160.0   3.03   3.02   34.93   27.83    27.7   0.061   1465.3
170.0   3.02   3.01   34.92   27.82    28.4   0.064   1465.4
180.0   3.01   3.00   34.93   27.83    27.4   0.067   1465.5
190.0   3.06   3.05   34.96   27.84    26.2   0.070   1466.0
200.0   3.02   3.01   34.95   27.84    26.4   0.072   1465.9
210.0   2.95   2.94   34.95   27.85    25.8   0.075   1465.8
220.0   2.91   2.90   34.95   27.86    25.3   0.078   1465.8
230.0   2.87   2.86   34.95   27.86    25.2   0.080   1465.8
240.0   2.82   2.81   34.95   27.86    24.6   0.083   1465.8
250.0   2.75   2.73   34.96   27.87    23.8   0.085   1465.6
260.0   2.65   2.64   34.96   27.88    23.0   0.088   1465.4
270.0   2.65   2.63   34.96   27.89    22.6   0.090   1465.5
280.0   2.64   2.63   34.97   27.89    22.2   0.092   1465.7
290.0   2.61   2.59   34.97   27.90    21.8   0.094   1465.7
300.0   2.55   2.53   34.98   27.91    20.9   0.097   1465.6
310.0   2.47   2.45   34.97   27.91    20.3   0.099   1465.4

                       DEPTH        TEMP.        SALIN
```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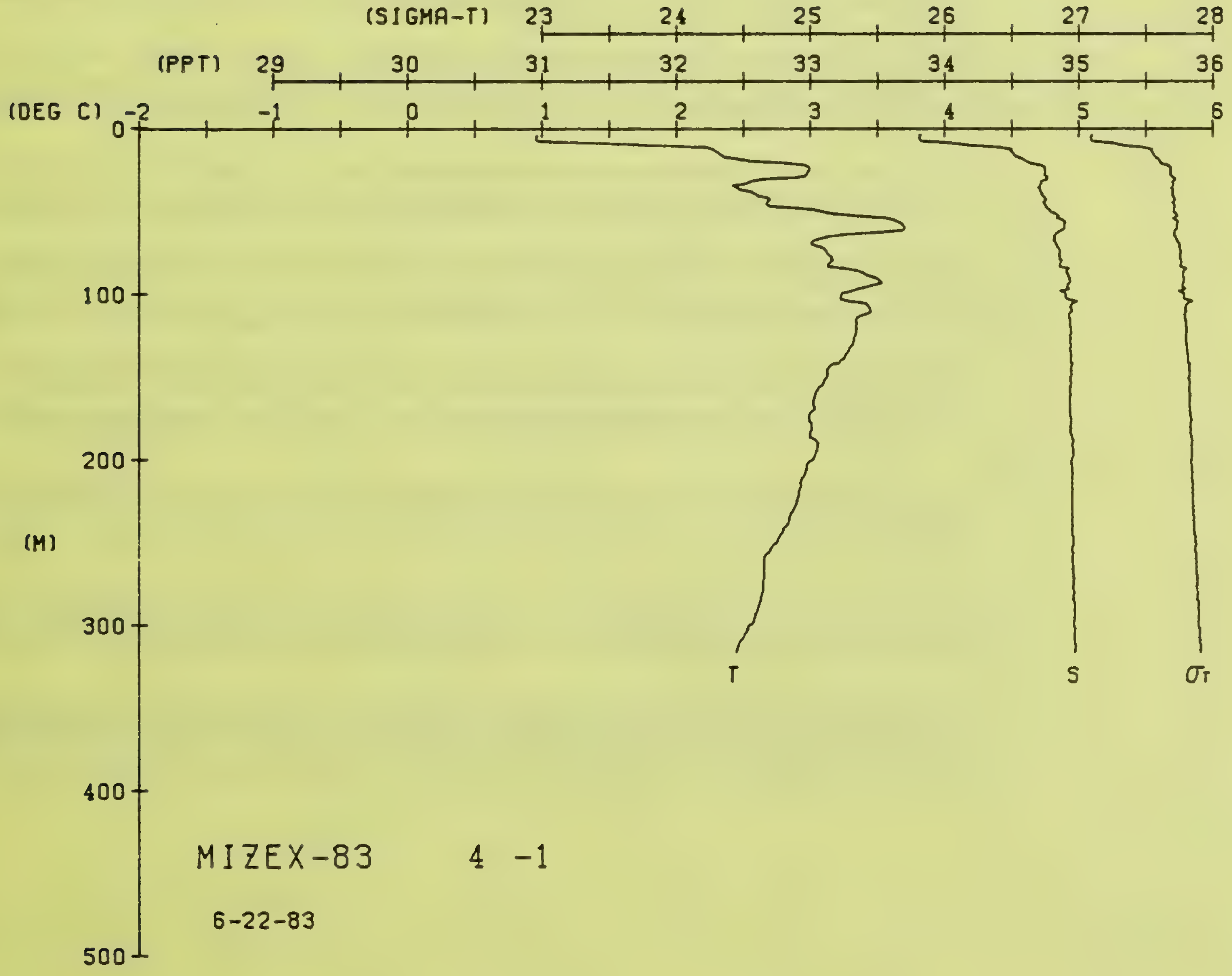
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 3 -1
6-22-83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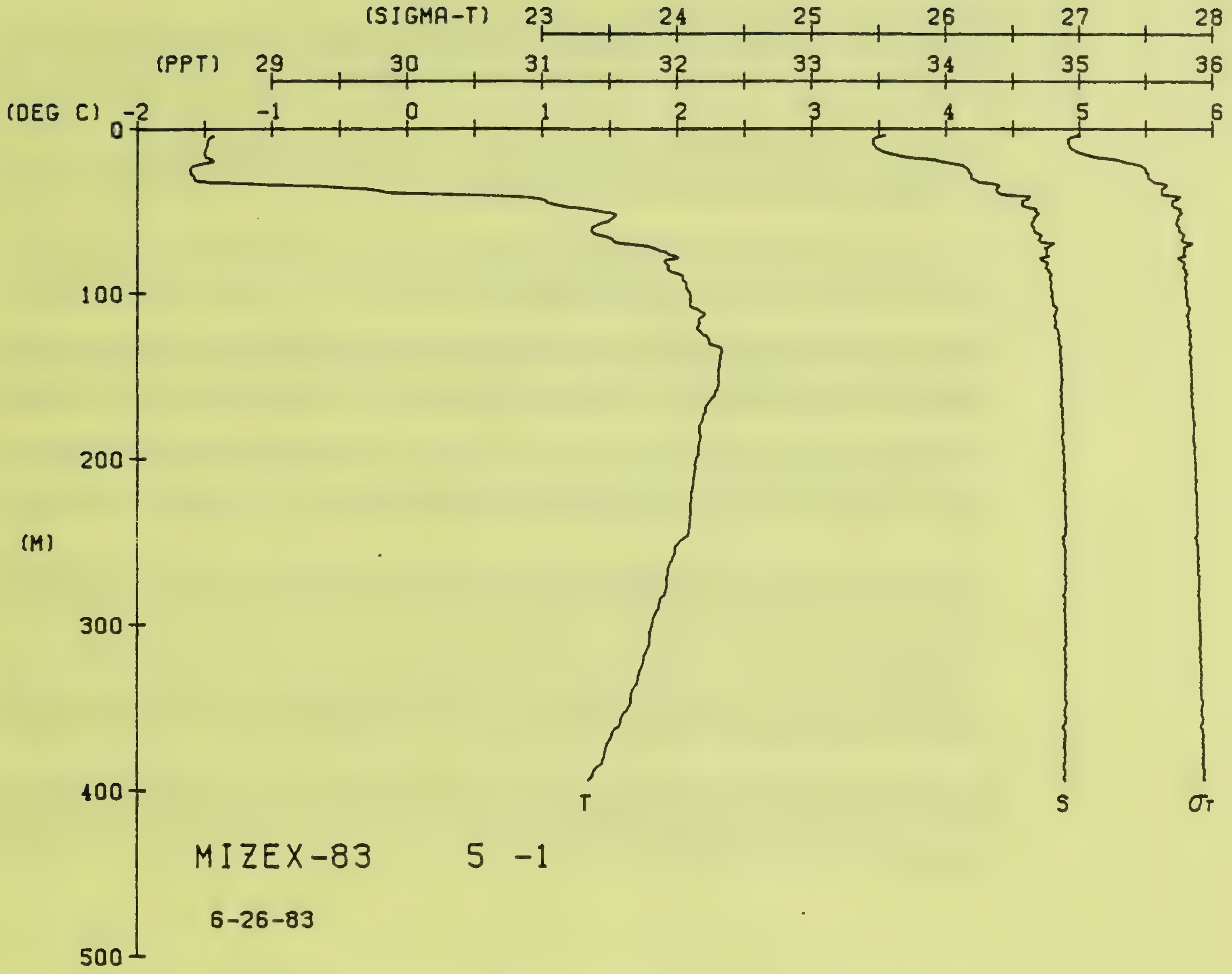
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 4 -1
6-22-83

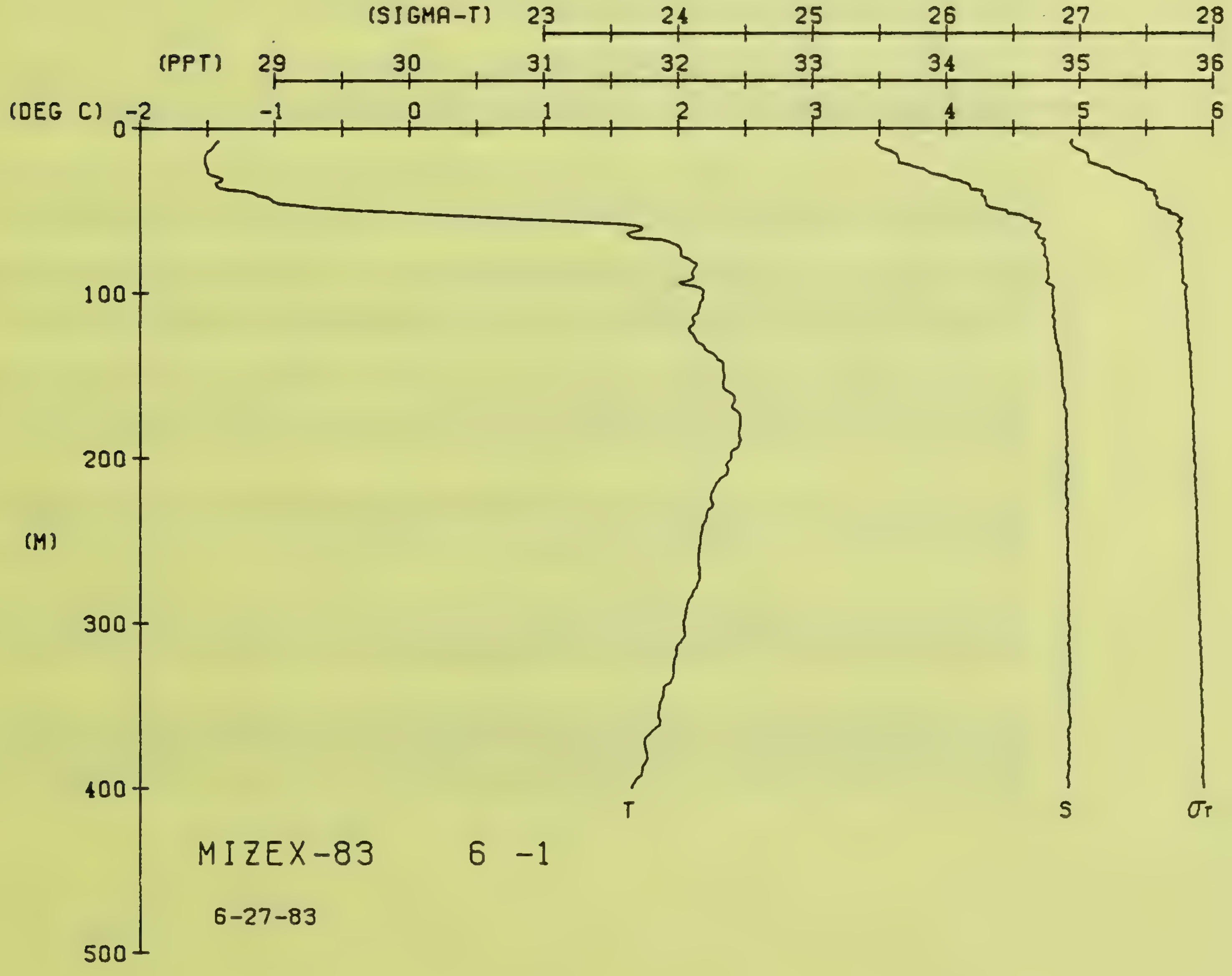
```
MIZEX-83 STATION   5(1) CTD  26/JUN/1983 1435 GMT  CODE = 1
LAT = 81.0862N LNG =  -5.4853W LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.38   -1.38   34.01   27.36    70.2   0.000   1441.5
   2.0   -1.38   -1.38   34.01   27.36    70.2   0.001   1441.6
   5.0   -1.45   -1.45   33.60   27.03   101.5   0.004   1440.7
  10.0   -1.48   -1.48   33.46   26.92   112.5   0.009   1440.4
  15.0   -1.50   -1.50   33.56   27.00   104.5   0.015   1440.6
  20.0   -1.44   -1.44   33.95   27.32    74.7   0.019   1441.5
  25.0   -1.61   -1.61   34.16   27.49    57.9   0.023   1441.1
  30.0   -1.57   -1.57   34.19   27.51    56.0   0.026   1441.4
  35.0   -0.74   -0.74   34.39   27.65    43.4   0.028   1445.6
  40.0    0.27    0.27   34.37   27.58    49.8   0.031   1450.3
  45.0    1.04    1.04   34.58   27.70    38.4   0.033   1454.2
  50.0    1.41    1.40   34.67   27.75    33.9   0.035   1456.0
  55.0    1.51    1.50   34.66   27.74    34.9   0.036   1456.5
  60.0    1.37    1.37   34.66   27.75    34.3   0.038   1456.0
  65.0    1.43    1.43   34.72   27.79    30.2   0.040   1456.4
  70.0    1.61    1.60   34.81   27.85    24.6   0.041   1457.4
  75.0    1.92    1.91   34.75   27.78    31.4   0.043   1458.8
  80.0    1.91    1.90   34.73   27.76    33.2   0.044   1458.8
  85.0    1.93    1.92   34.75   27.78    31.4   0.046   1459.0
  90.0    2.05    2.04   34.78   27.79    30.2   0.047   1459.7
  95.0    2.07    2.06   34.79   27.80    29.8   0.049   1459.8
 100.0    2.09    2.08   34.79   27.80    29.5   0.050   1460.0
 110.0    2.15    2.15   34.84   27.83    26.9   0.053   1460.5
 120.0    2.15    2.15   34.81   27.81    28.8   0.056   1460.7
 130.0    2.24    2.23   34.85   27.83    26.7   0.059   1461.3
 140.0    2.32    2.31   34.86   27.83    26.5   0.062   1461.8
 150.0    2.30    2.29   34.87   27.84    26.0   0.064   1461.9
 160.0    2.28    2.27   34.88   27.85    25.1   0.067   1462.0
 170.0    2.20    2.19   34.88   27.86    24.5   0.069   1461.8
 180.0    2.16    2.15   34.87   27.86    24.6   0.072   1461.8
 190.0    2.16    2.15   34.88   27.86    24.3   0.074   1462.0
 200.0    2.14    2.13   34.88   27.86    24.2   0.077   1462.0
 210.0    2.13    2.11   34.89   27.87    23.3   0.079   1462.1
 220.0    2.10    2.09   34.89   27.88    22.9   0.081   1462.2
 230.0    2.10    2.09   34.90   27.88    22.6   0.084   1462.4
 240.0    2.09    2.07   34.90   27.89    22.2   0.086   1462.5
 250.0    2.01    2.00   34.88   27.87    23.2   0.088   1462.3
 260.0    1.96    1.95   34.90   27.89    21.6   0.091   1462.3
 270.0    1.92    1.91   34.89   27.89    22.0   0.093   1462.2
 280.0    1.91    1.89   34.89   27.89    21.5   0.095   1462.3
 290.0    1.86    1.84   34.89   27.90    21.1   0.097   1462.3
 300.0    1.81    1.79   34.90   27.90    20.4   0.099   1462.3
 310.0    1.79    1.77   34.89   27.90    20.7   0.101   1462.3
 320.0    1.75    1.73   34.89   27.91    20.3   0.103   1462.3
 330.0    1.71    1.70   34.90   27.91    19.6   0.105   1462.3
 340.0    1.66    1.64   34.90   27.91    19.5   0.107   1462.3
 350.0    1.63    1.62   34.89   27.91    19.6   0.109   1462.3
 360.0    1.57    1.55   34.90   27.92    18.8   0.111   1462.2
 370.0    1.49    1.47   34.89   27.92    18.7   0.113   1462.0
 380.0    1.45    1.43   34.89   27.92    18.7   0.115   1462.0
 390.0    1.37    1.35   34.89   27.93    17.7   0.117   1461.8

                       DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION   6(1) CTD  27/JUN/1983 1425 GMT  CODE = 1
LAT = 81.0348N LNG =  -6.1857W LTER =     30. LGER =    30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.42   -1.42   33.58   27.01   103.4   0.000   1440.7
   5.0   -1.42   -1.42   33.58   27.01   103.4   0.005   1440.8
   7.2   -1.42   -1.42   33.58   27.01   103.4   0.007   1440.9
  10.0   -1.45   -1.45   33.48   26.93   110.9   0.011   1440.6
  15.0   -1.51   -1.51   33.61   27.04   100.7   0.016   1440.6
  20.0   -1.52   -1.52   33.64   27.07    98.0   0.021   1440.7
  25.0   -1.50   -1.50   33.83   27.22    83.7   0.026   1441.1
  30.0   -1.42   -1.42   34.00   27.36    70.5   0.029   1441.8
  35.0   -1.43   -1.43   34.18   27.50    56.9   0.033   1442.1
  40.0   -1.15   -1.15   34.26   27.56    51.5   0.035   1443.6
  45.0   -1.00   -1.00   34.29   27.58    49.5   0.038   1444.4
  50.0   -0.40   -0.40   34.44   27.68    40.5   0.040   1447.5
  55.0    0.73    0.73   34.63   27.77    32.4   0.042   1453.0
  60.0    1.72    1.72   34.70   27.75    34.0   0.044   1457.6
  65.0    1.61    1.61   34.68   27.75    34.4   0.045   1457.2
  70.0    1.93    1.93   34.72   27.76    33.5   0.047   1458.8
  75.0    2.02    2.02   34.74   27.76    32.9   0.049   1459.3
  80.0    2.09    2.08   34.76   27.77    32.1   0.050   1459.6
  85.0    2.12    2.11   34.76   27.77    32.3   0.052   1459.9
  90.0    2.11    2.11   34.77   27.78    31.6   0.054   1459.9
  95.0    2.05    2.04   34.78   27.79    30.6   0.055   1459.7
 100.0    2.18    2.18   34.80   27.79    30.1   0.057   1460.4
 110.0    2.14    2.14   34.80   27.80    29.2   0.060   1460.4
 120.0    2.09    2.08   34.81   27.81    28.3   0.063   1460.4
 130.0    2.15    2.14   34.83   27.83    27.2   0.066   1460.8
 140.0    2.29    2.28   34.85   27.83    26.9   0.068   1461.7
 150.0    2.35    2.34   34.87   27.84    26.2   0.071   1462.1
 160.0    2.38    2.37   34.88   27.85    25.5   0.074   1462.4
 170.0    2.41    2.40   34.89   27.85    25.2   0.076   1462.7
 180.0    2.47    2.46   34.90   27.85    24.9   0.079   1463.1
 190.0    2.46    2.45   34.91   27.86    24.7   0.081   1463.3
 200.0    2.39    2.38   34.90   27.86    24.5   0.084   1463.1
 210.0    2.36    2.35   34.91   27.87    23.3   0.086   1463.2
 220.0    2.25    2.24   34.91   27.88    23.0   0.088   1462.9
 230.0    2.25    2.23   34.91   27.88    22.9   0.091   1463.0
 240.0    2.19    2.17   34.91   27.89    22.1   0.093   1462.9
 250.0    2.17    2.15   34.92   27.89    21.7   0.095   1463.0
 260.0    2.15    2.14   34.92   27.89    21.5   0.097   1463.1
 270.0    2.16    2.14   34.93   27.90    21.0   0.100   1463.3
 280.0    2.12    2.10   34.92   27.90    21.1   0.102   1463.3
 290.0    2.06    2.05   34.92   27.91    20.5   0.104   1463.2
 300.0    2.04    2.03   34.92   27.91    20.4   0.106   1463.3
 310.0    2.03    2.02   34.93   27.91    20.0   0.108   1463.4
 320.0    1.99    1.97   34.93   27.92    19.7   0.110   1463.4
 330.0    1.97    1.95   34.93   27.92    19.1   0.112   1463.5
 340.0    1.89    1.87   34.92   27.92    19.4   0.114   1463.3
 350.0    1.86    1.84   34.93   27.93    18.8   0.116   1463.3
 360.0    1.87    1.85   34.94   27.94    17.9   0.118   1463.6
 370.0    1.75    1.73   34.92   27.93    18.7   0.120   1463.2
 380.0    1.77    1.75   34.93   27.93    18.0   0.121   1463.5
 390.0    1.73    1.71   34.92   27.93    18.5   0.123   1463.4
 400.0    1.66    1.63   34.92   27.94    17.7   0.125   1463.3

                       DEPTH       TEMP.       SALIN
```



MIZEX-83 5 -1

6-26-83

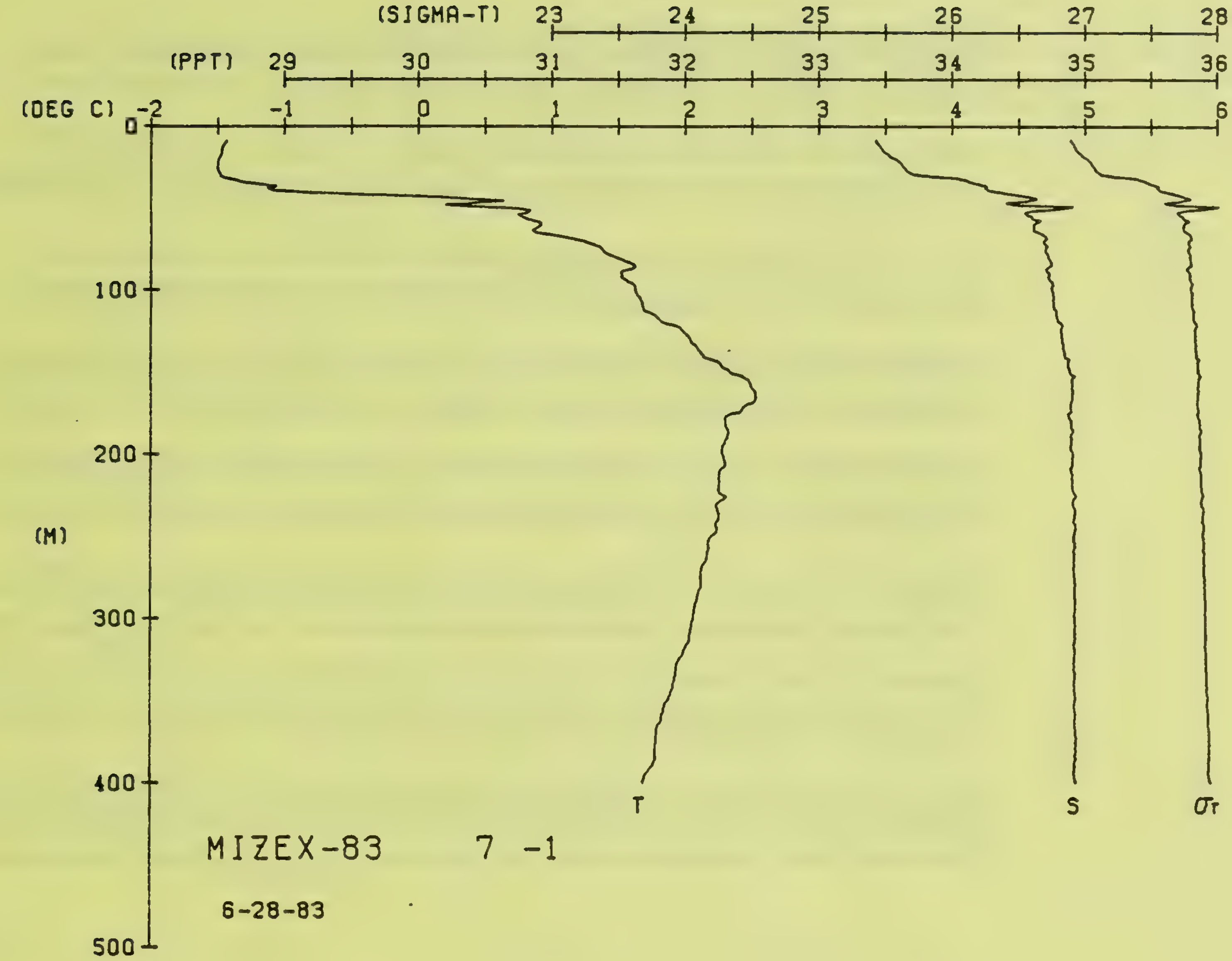


MIZEX-83 6 -1

6-27-83

```
MIZEX-83 STATION   7(1) CTD  28/JUN/1983 1357 GMT   CODE = 1
LAT = 81.0183N LNG =  -6.0412W LTER =      30.  LGER =      30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.44   -1.44   33.42   26.89   115.2   0.000   1440.4
   5.0   -1.44   -1.44   33.42   26.89   115.2   0.006   1440.5
   8.6   -1.44   -1.44   33.42   26.89   115.2   0.010   1440.6
  10.0   -1.45   -1.45   33.43   26.90   114.5   0.012   1440.5
  15.0   -1.48   -1.48   33.48   26.93   110.9   0.017   1440.6
  20.0   -1.50   -1.50   33.57   27.01   104.0   0.023   1440.7
  25.0   -1.50   -1.50   33.63   27.06    98.7   0.028   1440.8
  30.0   -1.48   -1.48   33.72   27.13    92.0   0.033   1441.1
  35.0   -1.29   -1.29   34.15   27.47    60.0   0.037   1442.7
  40.0   -1.03   -1.03   34.32   27.60    47.3   0.039   1444.3
  45.0    0.48    0.48   34.64   27.78    30.5   0.041   1451.7
  50.0    0.61    0.61   34.93   28.01     9.1   0.042   1452.8
  55.0    0.75    0.75   34.59   27.73    35.6   0.043   1453.1
  60.0    0.92    0.92   34.61   27.74    34.8   0.045   1453.9
  65.0    0.87    0.86   34.64   27.77    32.2   0.047   1453.8
  70.0    1.20    1.20   34.70   27.79    30.5   0.048   1455.5
  75.0    1.37    1.37   34.70   27.78    31.1   0.050   1456.3
  80.0    1.46    1.46   34.73   27.79    30.0   0.052   1456.8
  85.0    1.62    1.61   34.75   27.80    29.2   0.053   1457.6
  90.0    1.51    1.51   34.73   27.79    29.9   0.055   1457.2
  95.0    1.57    1.56   34.75   27.80    29.1   0.056   1457.6
 100.0    1.62    1.62   34.75   27.80    29.3   0.057   1457.9
 110.0    1.68    1.68   34.76   27.81    28.7   0.060   1458.4
 120.0    1.83    1.82   34.80   27.83    26.9   0.063   1459.2
 130.0    2.04    2.03   34.83   27.83    26.7   0.066   1460.3
 140.0    2.13    2.12   34.85   27.84    26.0   0.069   1460.9
 150.0    2.33    2.32   34.88   27.85    25.1   0.071   1462.0
 160.0    2.50    2.49   34.90   27.85    25.4   0.074   1462.9
 170.0    2.46    2.45   34.89   27.84    25.9   0.076   1462.9
 180.0    2.30    2.29   34.90   27.86    23.9   0.079   1462.4
 190.0    2.31    2.30   34.90   27.86    24.2   0.081   1462.6
 200.0    2.28    2.26   34.91   27.88    22.9   0.084   1462.7
 210.0    2.25    2.24   34.89   27.87    24.0   0.086   1462.7
 220.0    2.25    2.23   34.91   27.88    22.9   0.088   1462.9
 230.0    2.23    2.22   34.91   27.88    23.0   0.091   1463.0
 240.0    2.24    2.23   34.92   27.89    21.9   0.093   1463.2
 250.0    2.19    2.17   34.91   27.88    22.3   0.095   1463.1
 260.0    2.16    2.15   34.92   27.90    21.2   0.097   1463.2
 270.0    2.11    2.10   34.91   27.89    21.8   0.100   1463.1
 280.0    2.12    2.10   34.92   27.90    20.9   0.102   1463.3
 290.0    2.08    2.06   34.93   27.91    20.0   0.104   1463.3
 300.0    2.05    2.04   34.93   27.91    20.4   0.106   1463.4
 310.0    2.03    2.01   34.92   27.91    20.3   0.108   1463.4
 320.0    1.98    1.96   34.93   27.92    19.6   0.110   1463.4
 330.0    1.93    1.91   34.92   27.91    19.7   0.112   1463.3
 340.0    1.90    1.88   34.92   27.91    20.0   0.114   1463.4
 350.0    1.86    1.84   34.92   27.92    19.1   0.116   1463.3
 360.0    1.82    1.80   34.92   27.92    18.9   0.118   1463.3
 370.0    1.78    1.76   34.93   27.93    18.2   0.120   1463.3
 380.0    1.77    1.75   34.92   27.93    18.6   0.122   1463.4
 390.0    1.74    1.72   34.92   27.93    18.5   0.123   1463.5
 400.0    1.67    1.65   34.93   27.94    17.3   0.125   1463.4

                      DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION   8(1) CTD  28/JUN/1983 1645 GMT   CODE = 1
LAT = 81.0080N LNG =  -5.7033W LTER =      30.  LGER =      30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.47   -1.47   33.47   26.93   111.8   0.000   1440.3
   1.9   -1.47   -1.47   33.47   26.93   111.8   0.002   1440.4
   5.0   -1.49   -1.49   33.47   26.93   111.7   0.006   1440.3
  10.0   -1.53   -1.53   33.52   26.97   107.3   0.011   1440.3
  15.0   -1.56   -1.56   33.64   27.07    98.3   0.016   1440.4
  20.0   -1.53   -1.53   33.73   27.14    90.9   0.021   1440.8
  25.0   -1.48   -1.48   33.91   27.28    77.6   0.025   1441.3
  30.0   -1.36   -1.37   34.15   27.48    59.2   0.029   1442.3
  35.0   -0.43   -0.43   34.30   27.56    51.6   0.032   1446.9
  40.0    0.43    0.42   34.45   27.64    44.1   0.034   1451.1
  45.0    0.93    0.92   34.54   27.68    40.7   0.036   1453.6
  50.0    1.24    1.24   34.61   27.72    37.1   0.038   1455.2
  55.0    1.53    1.53   34.72   27.78    30.9   0.040   1456.7
  60.0    1.55    1.54   34.72   27.78    30.9   0.041   1456.9
  65.0    1.66    1.65   34.78   27.82    27.0   0.043   1457.5
  70.0    1.76    1.76   34.77   27.81    28.4   0.044   1458.1
  75.0    1.77    1.77   34.78   27.82    27.9   0.046   1458.2
  80.0    2.04    2.04   34.82   27.83    27.0   0.047   1459.5
  85.0    2.05    2.05   34.82   27.82    27.1   0.049   1459.7
  90.0    2.17    2.17   34.85   27.84    26.0   0.050   1460.3
  95.0    2.24    2.23   34.85   27.83    26.7   0.051   1460.7
 100.0    2.19    2.19   34.85   27.84    25.9   0.053   1460.6
 110.0    2.21    2.20   34.86   27.84    25.6   0.055   1460.8
 120.0    2.02    2.01   34.90   27.89    21.1   0.058   1460.2
 130.0    2.07    2.06   34.88   27.87    23.1   0.060   1460.5
 140.0    2.22    2.21   34.90   27.87    22.9   0.062   1461.4
 150.0    2.23    2.22   34.92   27.89    21.7   0.064   1461.6
 160.0    2.39    2.38   34.93   27.88    22.1   0.067   1462.5
 170.0    2.32    2.31   34.93   27.89    21.5   0.069   1462.4
 180.0    2.27    2.26   34.92   27.88    22.2   0.071   1462.3
 190.0    2.20    2.19   34.93   27.90    20.5   0.073   1462.2
 200.0    2.22    2.21   34.93   27.90    20.6   0.075   1462.4
 210.0    2.17    2.16   34.94   27.91    20.1   0.077   1462.4
 220.0    2.16    2.15   34.93   27.90    20.3   0.079   1462.5
 230.0    2.14    2.13   34.94   27.91    19.6   0.081   1462.6
 240.0    2.10    2.09   34.94   27.92    19.0   0.083   1462.6
 250.0    2.09    2.07   34.95   27.92    18.7   0.085   1462.7
 260.0    2.04    2.02   34.95   27.93    18.2   0.087   1462.6
 270.0    2.02    2.01   34.95   27.93    18.3   0.089   1462.8
 280.0    1.99    1.97   34.95   27.93    17.9   0.091   1462.8
 290.0    1.95    1.94   34.94   27.93    18.0   0.093   1462.8
 300.0    1.92    1.90   34.95   27.94    17.6   0.094   1462.8
 310.0    1.84    1.82   34.94   27.93    17.7   0.096   1462.6
 320.0    1.82    1.81   34.94   27.94    17.1   0.098   1462.7
 330.0    1.79    1.77   34.95   27.94    16.8   0.100   1462.7
 340.0    1.76    1.74   34.94   27.95    16.7   0.101   1462.8
 350.0    1.72    1.70   34.94   27.95    16.5   0.103   1462.8
 360.0    1.68    1.66   34.95   27.96    15.9   0.105   1462.7
 370.0    1.62    1.60   34.94   27.95    16.1   0.106   1462.6
 380.0    1.60    1.58   34.94   27.95    15.9   0.108   1462.7
 390.0    1.59    1.57   34.94   27.96    15.6   0.109   1462.8
 400.0    1.56    1.54   34.94   27.96    15.5   0.111   1462.9
 410.0    1.50    1.48   34.94   27.96    15.2   0.113   1462.8
 411.5    1.49    1.47   34.94   27.96    15.2   0.113   1462.8

                      DEPTH       TEMP.       SALIN
```



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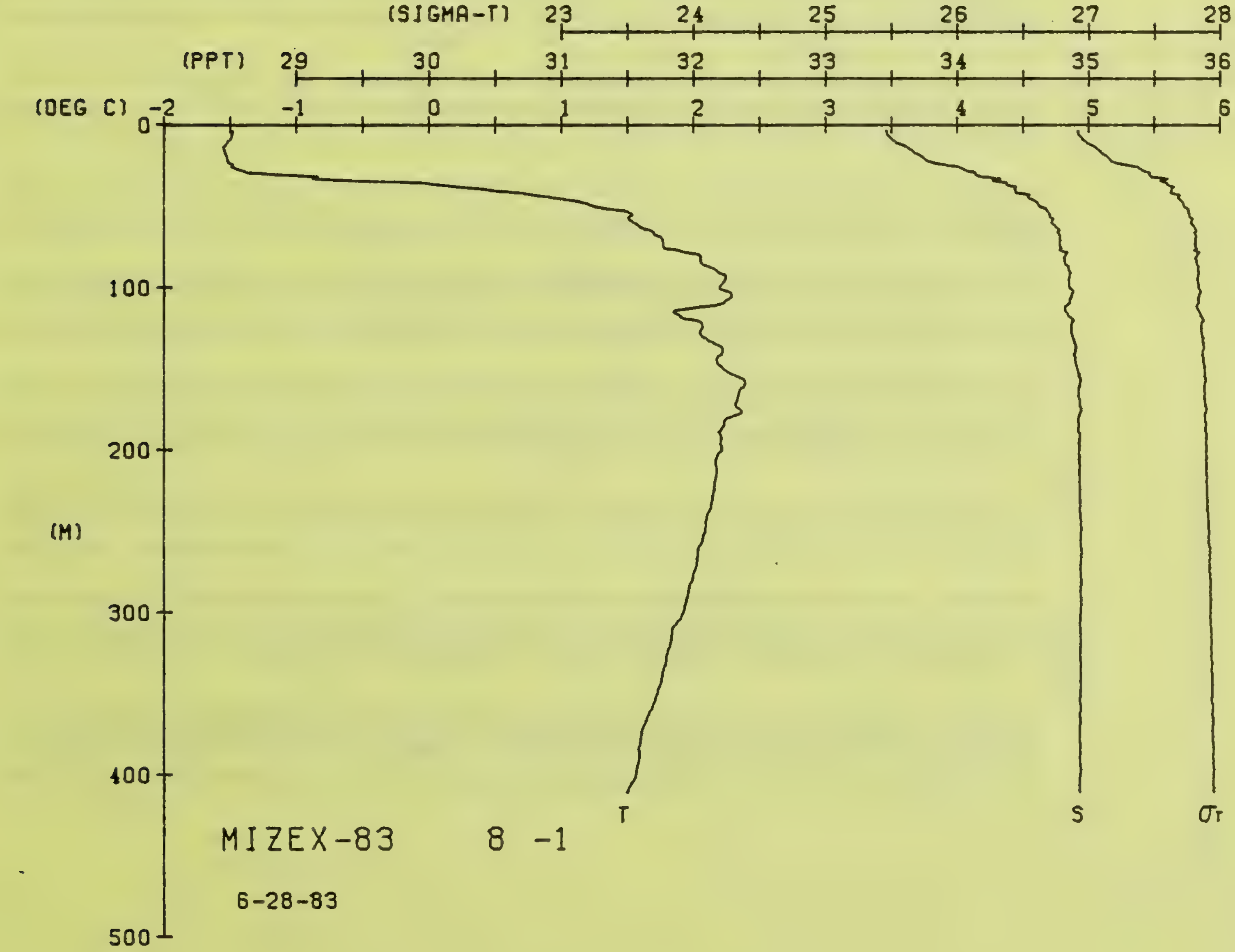

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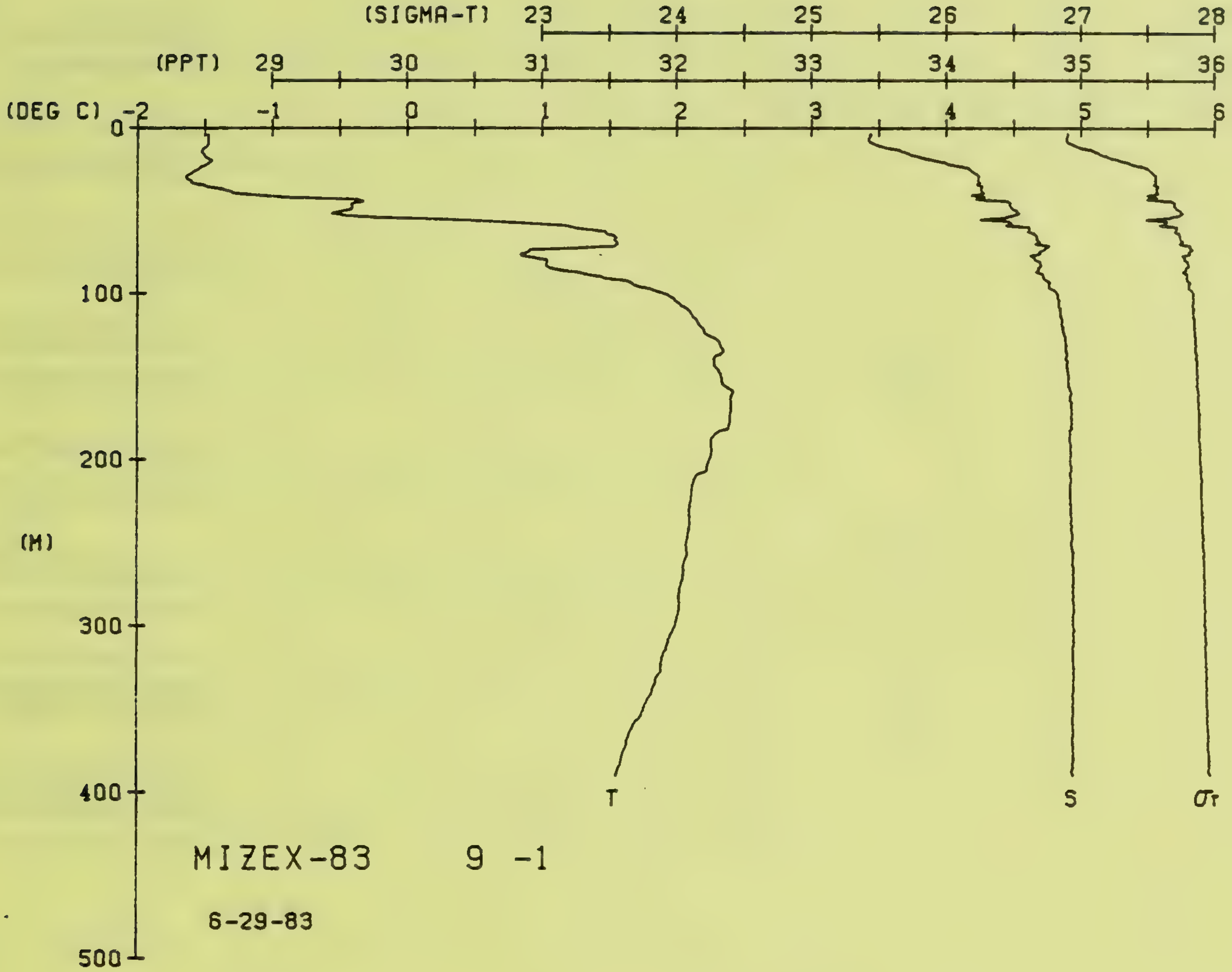
```
MIZEX-83 STATION   9(1) CTD  29/JUN/1983 1043 GMT  CODE = 1
LAT = 81.0905N LNG =  -6.1257W LTER =     30.  LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.48   -1.48   33.47   26.93   111.2   0.000   1440.3
   1.9   -1.48   -1.48   33.47   26.93   111.2   0.002   1440.3
   5.0   -1.48   -1.48   33.44   26.91   113.6   0.006   1440.4
  10.0   -1.48   -1.48   33.45   26.91   112.9   0.011   1440.4
  15.0   -1.52   -1.52   33.69   27.10    94.8   0.017   1440.6
  20.0   -1.45   -1.45   33.90   27.28    78.2   0.021   1441.4
  25.0   -1.55   -1.55   34.17   27.50    57.1   0.024   1441.4
  30.0   -1.64   -1.64   34.24   27.56    51.4   0.027   1441.1
  35.0   -1.47   -1.47   34.21   27.53    54.6   0.030   1442.0
  40.0   -1.25   -1.25   34.28   27.58    50.0   0.033   1443.2
  45.0   -0.38   -0.38   34.48   27.71    37.6   0.035   1447.6
  50.0   -0.43   -0.43   34.50   27.73    35.9   0.037   1447.4
  55.0   -0.02   -0.02   34.40   27.62    45.6   0.039   1449.3
  60.0    1.22    1.22   34.60   27.71    37.6   0.041   1455.3
  65.0    1.53    1.53   34.62   27.70    38.7   0.043   1456.8
  70.0    1.49    1.48   34.66   27.74    34.8   0.045   1456.7
  75.0    0.90    0.90   34.68   27.80    29.3   0.046   1454.2
  80.0    1.03    1.03   34.66   27.77    32.3   0.048   1454.8
  85.0    1.06    1.06   34.67   27.78    31.1   0.049   1455.1
  90.0    1.42    1.42   34.72   27.79    30.2   0.051   1456.8
  95.0    1.68    1.67   34.77   27.81    28.5   0.052   1458.1
 100.0    1.91    1.90   34.81   27.83    26.7   0.054   1459.2
 110.0    2.08    2.08   34.85   27.84    25.5   0.056   1460.2
 120.0    2.18    2.17   34.86   27.85    25.2   0.059   1460.8
 130.0    2.31    2.31   34.88   27.85    25.0   0.061   1461.6
 140.0    2.27    2.26   34.89   27.86    24.1   0.064   1461.6
 150.0    2.33    2.32   34.91   27.87    23.1   0.066   1462.1
 160.0    2.41    2.40   34.93   27.88    22.5   0.069   1462.6
 170.0    2.40    2.39   34.93   27.88    22.2   0.071   1462.7
 180.0    2.38    2.37   34.93   27.88    22.1   0.073   1462.8
 190.0    2.25    2.24   34.92   27.89    21.9   0.075   1462.4
 200.0    2.24    2.23   34.92   27.88    22.1   0.078   1462.5
 210.0    2.14    2.13   34.92   27.90    21.0   0.080   1462.2
 220.0    2.11    2.09   34.92   27.90    20.9   0.082   1462.3
 230.0    2.09    2.08   34.92   27.90    20.6   0.084   1462.4
 240.0    2.09    2.08   34.93   27.90    20.4   0.086   1462.5
 250.0    2.07    2.05   34.93   27.91    19.9   0.088   1462.6
 260.0    2.06    2.04   34.94   27.92    19.0   0.090   1462.7
 270.0    2.04    2.03   34.94   27.92    19.0   0.092   1462.8
 280.0    2.01    2.00   34.94   27.93    18.6   0.094   1462.9
 290.0    2.01    2.00   34.95   27.93    18.5   0.096   1463.0
 300.0    1.98    1.97   34.94   27.93    18.4   0.098   1463.1
 310.0    1.93    1.91   34.95   27.94    17.7   0.099   1463.0
 320.0    1.88    1.87   34.94   27.94    17.6   0.101   1463.0
 330.0    1.85    1.83   34.95   27.94    17.2   0.103   1463.0
 340.0    1.81    1.79   34.94   27.94    17.0   0.105   1463.0
 350.0    1.75    1.73   34.94   27.95    16.6   0.106   1462.9
 360.0    1.67    1.65   34.94   27.95    16.4   0.108   1462.7
 370.0    1.62    1.60   34.94   27.95    16.2   0.110   1462.7
 380.0    1.58    1.56   34.94   27.96    15.6   0.111   1462.6
 390.0    1.54    1.52   34.94   27.96    15.1   0.113   1462.6

                     DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  10(1) CTD  29/JUN/1983 1454 GMT  CODE = 1
LAT = 81.0793N LNG =  -6.2522W LTER =     30.  LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.46   -1.46   33.49   26.95   109.9   0.000   1440.4
  4.2   -1.46   -1.46   33.49   26.95   109.9   0.005   1440.5
  5.0   -1.46   -1.46   33.49   26.95   109.9   0.006   1440.5
 10.0   -1.48   -1.48   33.60   27.04   101.4   0.011   1440.6
 15.0   -1.52   -1.52   33.74   27.15    90.2   0.016   1440.7
 20.0   -1.54   -1.54   33.91   27.29    77.5   0.020   1440.9
 25.0   -1.55   -1.55   33.99   27.35    71.1   0.024   1441.1
 30.0   -1.48   -1.48   34.06   27.41    66.0   0.027   1441.6
 35.0   -1.41   -1.41   34.24   27.56    52.0   0.030   1442.3
 40.0   -0.77   -0.77   34.31   27.58    49.6   0.033   1445.5
 45.0   -0.28   -0.29   34.31   27.56    51.6   0.035   1447.8
 50.0    0.35    0.35   34.48   27.67    41.6   0.038   1451.0
 55.0    0.47    0.47   34.47   27.65    42.8   0.040   1451.6
 60.0    0.99    0.99   34.61   27.73    35.8   0.042   1454.2
 65.0    0.89    0.88   34.68   27.79    29.6   0.043   1454.0
 70.0    0.89    0.89   34.67   27.78    30.7   0.045   1454.0
 75.0    1.33    1.33   34.70   27.78    31.1   0.047   1456.1
 80.0    1.95    1.95   34.75   27.78    31.7   0.048   1459.0
 85.0    2.15    2.15   34.80   27.80    29.5   0.050   1460.1
 90.0    2.04    2.03   34.81   27.82    27.9   0.051   1459.7
 95.0    2.13    2.12   34.82   27.82    27.8   0.053   1460.2
100.0    2.10    2.10   34.83   27.83    26.9   0.054   1460.1
110.0    2.10    2.09   34.83   27.83    26.8   0.057   1460.3
120.0    2.08    2.08   34.85   27.84    25.5   0.059   1460.4
130.0    2.22    2.21   34.88   27.85    24.6   0.062   1461.2
140.0    2.30    2.29   34.88   27.85    24.6   0.064   1461.7
150.0    2.33    2.32   34.91   27.87    23.2   0.067   1462.1
160.0    2.37    2.36   34.92   27.88    22.7   0.069   1462.4
170.0    2.38    2.37   34.92   27.88    22.5   0.071   1462.6
180.0    2.31    2.30   34.92   27.89    22.0   0.074   1462.5
190.0    2.34    2.33   34.93   27.89    22.0   0.076   1462.8
200.0    2.27    2.26   34.93   27.89    21.7   0.078   1462.7
210.0    2.25    2.24   34.92   27.89    21.6   0.080   1462.7
220.0    2.22    2.21   34.93   27.90    21.2   0.082   1462.8
230.0    2.17    2.16   34.93   27.90    20.4   0.084   1462.7
240.0    2.15    2.14   34.94   27.91    19.8   0.087   1462.8
250.0    2.12    2.11   34.93   27.91    20.2   0.089   1462.8
260.0    2.09    2.08   34.93   27.91    19.8   0.091   1462.9
270.0    2.06    2.05   34.94   27.92    19.2   0.093   1462.9
280.0    2.06    2.05   34.96   27.93    18.1   0.094   1463.1
290.0    2.01    2.00   34.95   27.93    18.1   0.096   1463.1
300.0    1.98    1.97   34.94   27.93    18.6   0.098   1463.1
310.0    1.95    1.94   34.94   27.93    18.3   0.100   1463.1
320.0    1.83    1.82   34.94   27.93    17.8   0.102   1462.7
330.0    1.73    1.72   34.92   27.93    18.0   0.104   1462.5
340.0    1.65    1.63   34.92   27.93    17.7   0.105   1462.2
350.0    1.62    1.60   34.93   27.95    16.7   0.107   1462.3
360.0    1.64    1.62   34.94   27.95    16.1   0.109   1462.5
370.0    1.75    1.73   34.96   27.96    15.7   0.110   1463.2
380.0    1.71    1.69   34.96   27.96    15.4   0.112   1463.2
390.0    1.68    1.66   34.94   27.95    16.9   0.114   1463.2
400.0    1.60    1.58   34.95   27.96    15.2   0.115   1463.1
410.0    1.40    1.38   34.93   27.97    14.8   0.117   1462.3
410.8    1.40    1.38   34.95   27.98    13.6   0.117   1462.3

                    DEPTH        TEMP.        SALIN
```



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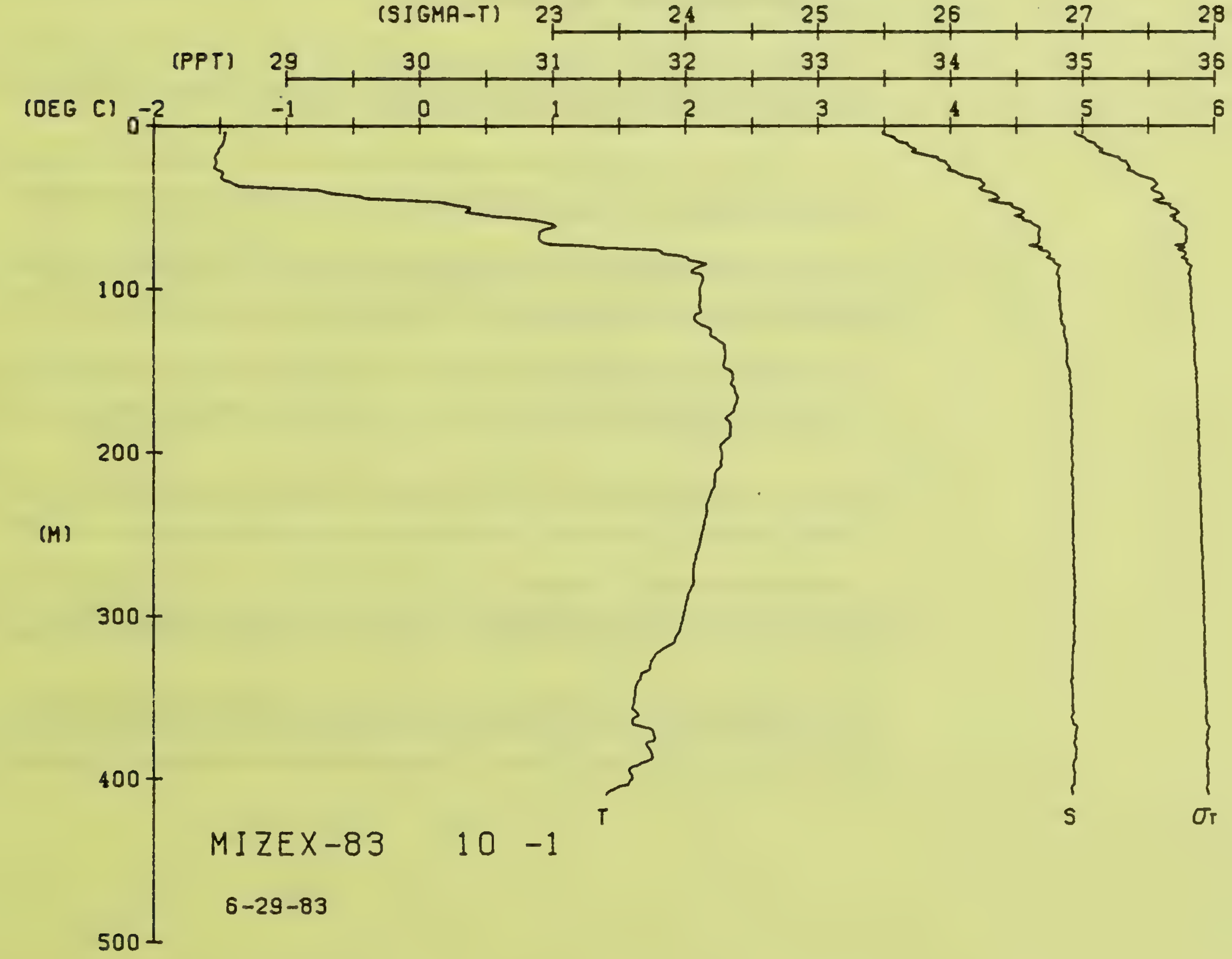


MIZEX-83 10 -1

6-29-83

```
MIZEX-83 STATION  11(1) CTD  29/JUN/1983 1540 GMT  CODE = 1
LAT = 81.0793N LNG =  -6.2522W LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.49   -1.49   33.53   26.98   107.1   0.000   1440.3
  5.0   -1.49   -1.49   33.53   26.98   107.0   0.005   1440.4
  5.1   -1.49   -1.49   33.53   26.98   107.0   0.006   1440.4
 10.0   -1.51   -1.51   33.56   27.00   104.5   0.011   1440.4
 15.0   -1.54   -1.54   33.68   27.10    94.8   0.016   1440.6
 20.0   -1.55   -1.55   33.75   27.16    89.5   0.020   1440.7
 25.0   -1.50   -1.50   34.01   27.37    69.6   0.025   1441.4
 30.0   -1.45   -1.45   34.20   27.52    55.2   0.028   1441.9
 35.0   -1.00   -1.00   34.27   27.56    51.5   0.030   1444.2
 40.0   -0.75   -0.75   34.38   27.64    44.0   0.033   1445.6
 45.0   -0.13   -0.13   34.46   27.68    40.4   0.035   1448.7
```

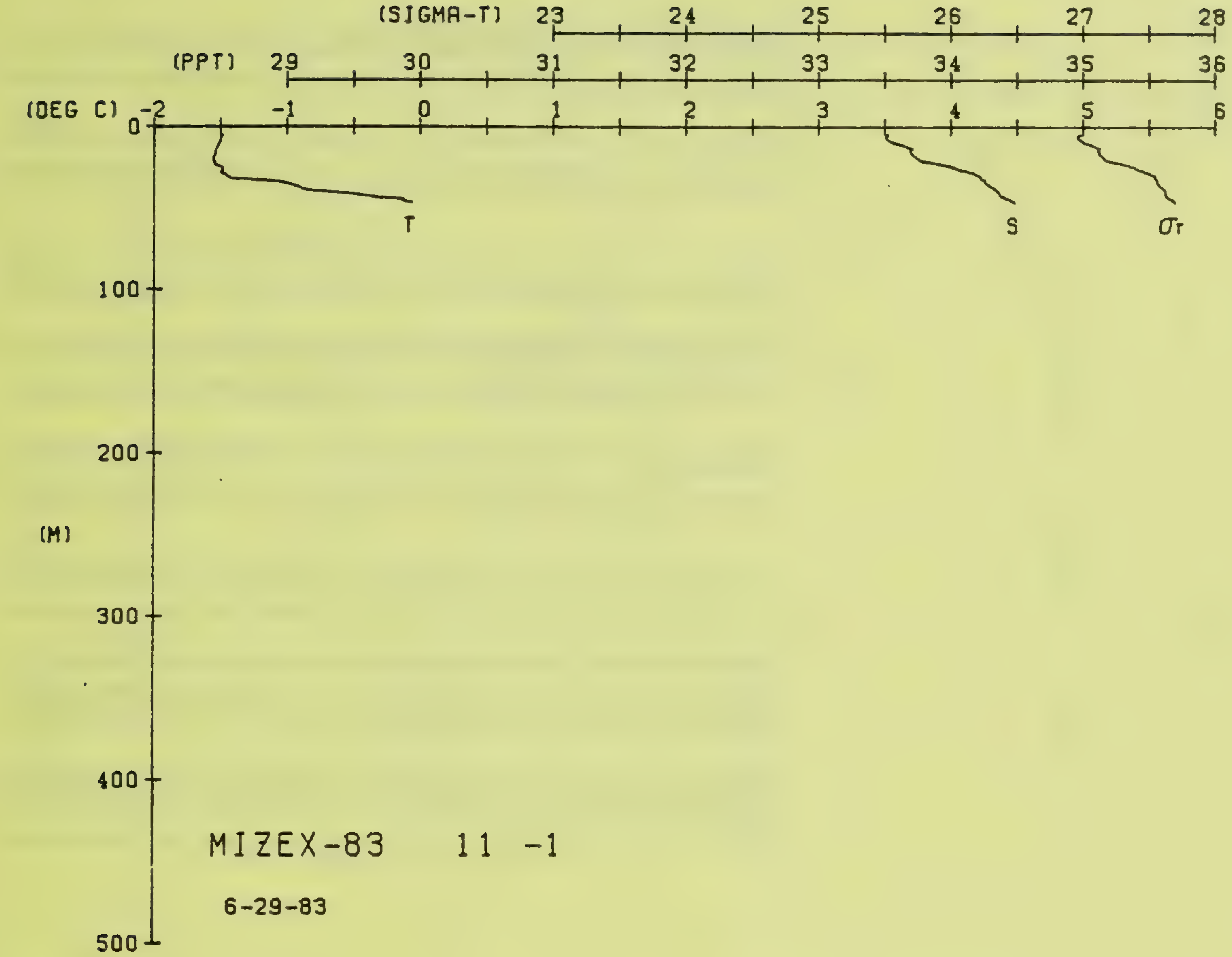
DEPTH TEMP. SALIN

```
MIZEX-83 STATION  12(1) CTD   1/JUL/1983 1314 GMT  CODE = 1
LAT = 81.1907N LNG =  -7.1563W LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.56   -1.56   33.67   27.09    96.0   0.000   1440.2
  5.0   -1.56   -1.56   33.67   27.09    96.0   0.005   1440.3
  5.7   -1.56   -1.56   33.67   27.09    96.0   0.005   1440.3
 10.0   -1.60   -1.60   33.79   27.20    86.2   0.010   1440.3
 15.0   -1.66   -1.66   34.06   27.41    65.8   0.013   1440.5
 20.0   -1.67   -1.67   34.10   27.45    62.4   0.017   1440.6
 25.0   -1.66   -1.66   34.20   27.53    54.8   0.020   1440.9
 30.0   -1.69   -1.69   34.25   27.57    51.0   0.022   1440.9
 35.0   -1.66   -1.66   34.28   27.59    48.9   0.025   1441.2
 40.0   -1.62   -1.62   34.32   27.62    45.6   0.027   1441.5
 45.0   -1.64   -1.64   34.33   27.63    45.0   0.029   1441.5
 50.0   -1.61   -1.61   34.34   27.64    44.2   0.032   1441.7
 55.0   -1.59   -1.59   34.37   27.66    41.6   0.034   1441.9
 60.0   -1.59   -1.59   34.38   27.67    41.2   0.036   1442.1
 65.0   -1.59   -1.59   34.40   27.68    39.5   0.038   1442.2
 70.0   -1.59   -1.59   34.40   27.69    38.9   0.040   1442.2
 75.0   -1.48   -1.49   34.39   27.68    40.3   0.042   1442.8
 80.0   -1.25   -1.25   34.38   27.66    41.5   0.044   1444.0
 85.0   -1.12   -1.12   34.43   27.70    38.4   0.046   1444.7
 90.0   -0.90   -0.90   34.46   27.71    37.4   0.048   1445.9
 95.0   -0.67   -0.68   34.48   27.72    36.2   0.050   1447.1
100.0   -0.38   -0.38   34.48   27.70    38.0   0.052   1448.5
110.0    0.38    0.38   34.56   27.73    35.9   0.055   1452.2
120.0    0.94    0.94   34.60   27.73    36.2   0.059   1455.0
130.0    1.38    1.37   34.71   27.79    30.7   0.062   1457.3
140.0    1.56    1.56   34.74   27.80    29.8   0.066   1458.3
150.0    1.75    1.74   34.78   27.82    28.1   0.068   1459.4
160.0    1.81    1.80   34.81   27.83    26.7   0.071   1459.8
170.0    2.09    2.08   34.85   27.84    26.0   0.074   1461.3
180.0    2.19    2.18   34.87   27.86    24.7   0.076   1461.9
190.0    2.17    2.16   34.89   27.87    23.6   0.079   1462.0
200.0    2.10    2.09   34.88   27.86    24.0   0.081   1461.8
210.0    2.00    1.99   34.88   27.87    23.0   0.084   1461.6
220.0    2.01    1.99   34.88   27.88    22.7   0.086   1461.8
230.0    2.01    2.00   34.89   27.88    22.5   0.088   1462.0
240.0    2.03    2.02   34.89   27.88    22.5   0.091   1462.2
250.0    2.00    1.99   34.90   27.89    21.3   0.093   1462.3
260.0    1.96    1.95   34.90   27.90    21.2   0.095   1462.3
270.0    1.86    1.84   34.91   27.91    19.8   0.097   1462.0
280.0    1.81    1.80   34.90   27.90    20.4   0.099   1461.9
290.0    1.78    1.76   34.90   27.91    19.7   0.101   1462.0
300.0    1.77    1.75   34.90   27.91    19.6   0.103   1462.1
310.0    1.73    1.72   34.91   27.92    18.9   0.105   1462.1
320.0    1.73    1.71   34.91   27.92    18.8   0.107   1462.2
322.8    1.73    1.71   34.92   27.93    18.2   0.107   1462.3
```

DEPTH TEMP. SALIN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(PPT) 29 30 31 32 33 34 35 36
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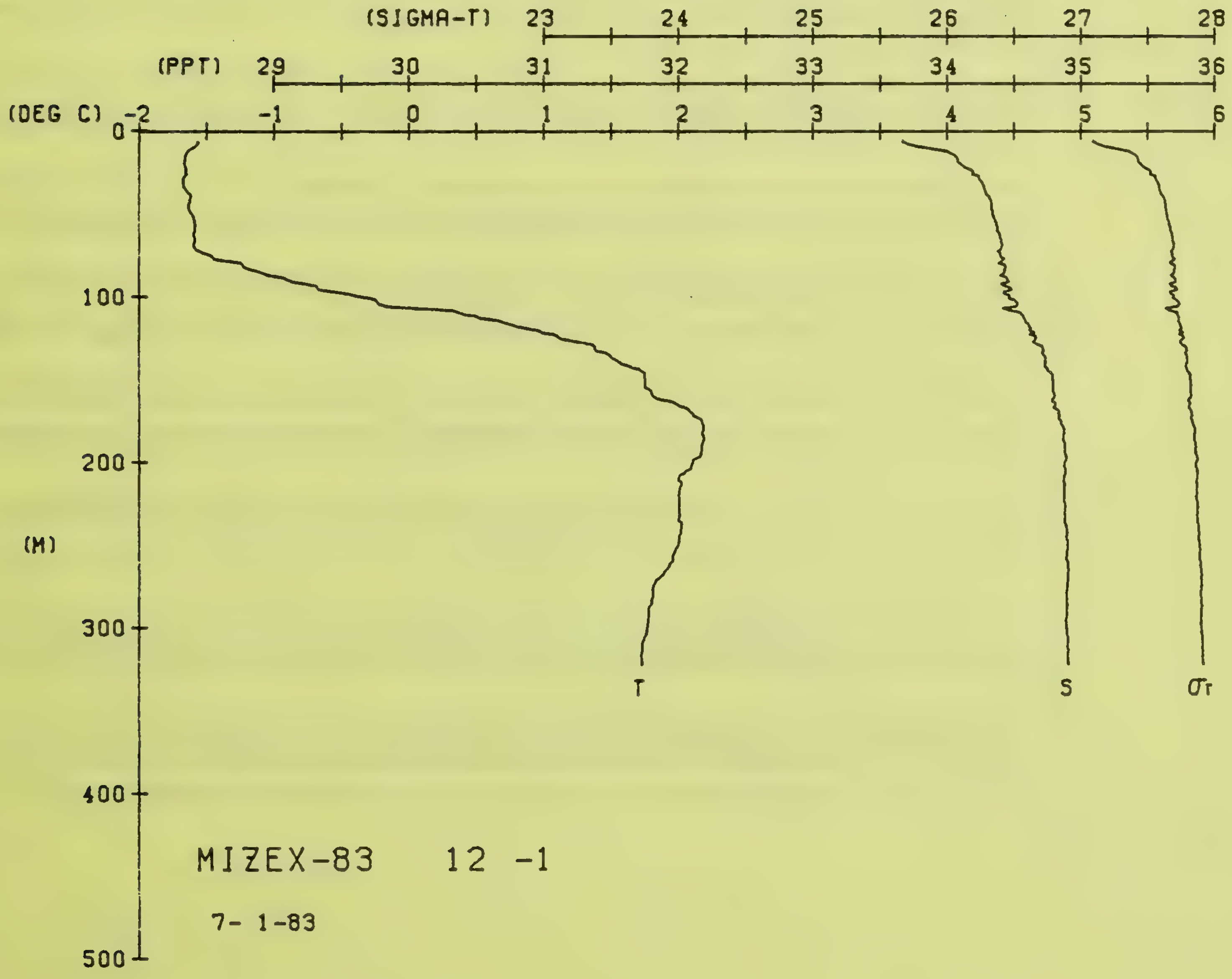
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 11 -1
6-29-83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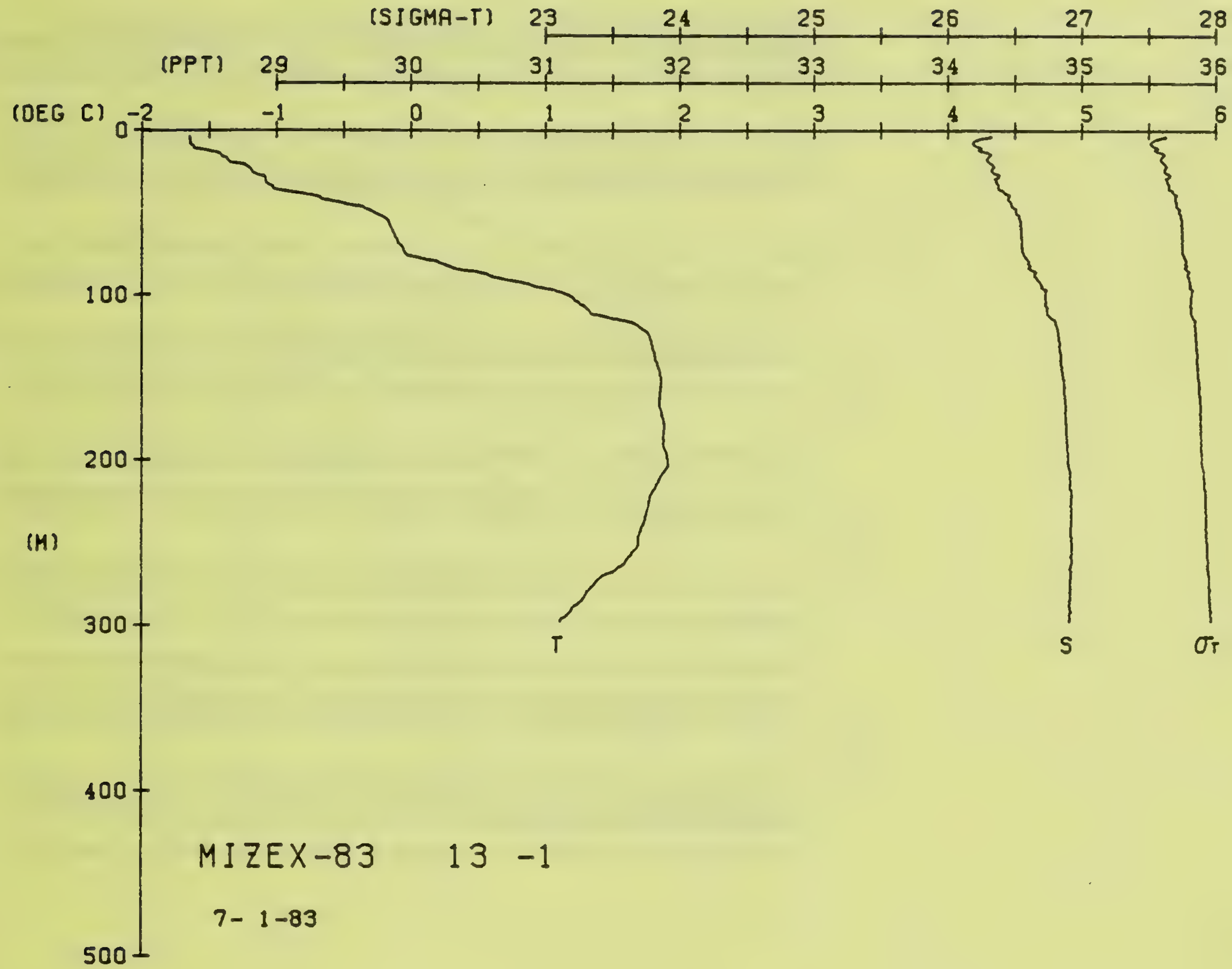
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 12 -1
7- 1-83

```
MIZEX-83 STATION  13(1) CTD   1/JUL/1983 1635 GMT  CODE = 1
LAT = 81.4500N LNG =  -7.1400W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.64  -1.64   34.32   27.62    45.7   0.000  1440.7
   4.2  -1.64  -1.64   34.32   27.62    45.6   0.002  1440.8
   5.0  -1.64  -1.64   34.25   27.57    51.1   0.002  1440.7
  10.0  -1.61  -1.62   34.21   27.53    54.4   0.005  1440.9
  15.0  -1.41  -1.41   34.32   27.61    46.6   0.008  1442.0
  20.0  -1.34  -1.34   34.31   27.60    47.5   0.010  1442.4
  25.0  -1.18  -1.18   34.33   27.61    46.4   0.012  1443.3
  30.0  -1.08  -1.08   34.35   27.63    45.2   0.015  1443.9
  35.0  -1.03  -1.03   34.35   27.63    45.1   0.017  1444.2
  40.0  -0.73  -0.73   34.46   27.71    37.7   0.019  1445.9
  45.0  -0.51  -0.51   34.47   27.71    37.9   0.021  1447.0
  50.0  -0.28  -0.29   34.51   27.73    35.9   0.023  1448.1
  55.0  -0.17  -0.17   34.54   27.74    34.3   0.025  1448.8
  60.0  -0.14  -0.14   34.54   27.75    34.0   0.026  1449.0
  65.0  -0.12  -0.12   34.54   27.74    34.3   0.028  1449.2
  70.0  -0.08  -0.08   34.55   27.75    33.6   0.030  1449.5
  75.0  -0.05  -0.05   34.56   27.75    33.4   0.031  1449.7
  80.0   0.18   0.17   34.61   27.78    30.9   0.033  1450.9
  85.0   0.34   0.34   34.62   27.78    30.6   0.035  1451.8
  90.0   0.64   0.63   34.66   27.80    29.3   0.036  1453.2
  95.0   0.92   0.91   34.70   27.81    28.2   0.038  1454.6
 100.0   1.16   1.15   34.72   27.81    28.3   0.039  1455.8
 110.0   1.32   1.31   34.73   27.81    28.5   0.042  1456.7
 120.0   1.70   1.69   34.81   27.85    25.1   0.045  1458.7
 130.0   1.79   1.78   34.83   27.85    24.8   0.047  1459.3
 140.0   1.82   1.81   34.84   27.86    24.2   0.050  1459.6
 150.0   1.86   1.85   34.85   27.87    23.4   0.052  1459.9
 160.0   1.85   1.84   34.87   27.88    22.4   0.054  1460.1
 170.0   1.86   1.85   34.87   27.88    22.0   0.057  1460.3
 180.0   1.88   1.87   34.88   27.89    21.6   0.059  1460.6
 190.0   1.87   1.86   34.88   27.89    21.4   0.061  1460.7
 200.0   1.91   1.90   34.90   27.90    20.9   0.063  1461.0
 210.0   1.85   1.84   34.90   27.91    19.8   0.065  1460.9
 220.0   1.79   1.78   34.92   27.92    18.4   0.067  1460.9
 230.0   1.75   1.74   34.92   27.92    18.2   0.069  1460.9
 240.0   1.71   1.70   34.91   27.92    18.2   0.071  1460.9
 250.0   1.69   1.67   34.92   27.93    17.7   0.073  1460.9
 260.0   1.60   1.59   34.92   27.94    17.1   0.074  1460.7
 270.0   1.43   1.41   34.91   27.94    16.7   0.076  1460.1
 280.0   1.30   1.29   34.91   27.95    15.9   0.078  1459.7
 290.0   1.19   1.18   34.90   27.96    15.1   0.079  1459.4

                    DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  14(1) CTD   2/JUL/1983 1127 GMT  CODE = 1
LAT = 81.2005N LNG =  -7.3418W LTER =     30. LGER =     30.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.57  -1.57   33.85   27.24    81.7   0.000  1440.4
   1.9  -1.57  -1.57   33.85   27.24    81.7   0.002  1440.4
   5.0  -1.61  -1.61   33.87   27.26    80.1   0.004  1440.3
  10.0  -1.62  -1.62   33.93   27.31    75.8   0.008  1440.4
  15.0  -1.65  -1.65   34.07   27.42    64.9   0.012  1440.6
  20.0  -1.68  -1.68   34.16   27.49    58.0   0.015  1440.7
  25.0  -1.68  -1.68   34.18   27.51    56.0   0.018  1440.8
  30.0  -1.68  -1.68   34.22   27.54    53.5   0.020  1440.9
  35.0  -1.68  -1.68   34.27   27.58    49.4   0.023  1441.1
  40.0  -1.65  -1.65   34.31   27.61    46.3   0.025  1441.3
  45.0  -1.62  -1.62   34.32   27.62    45.5   0.028  1441.5
  50.0  -1.58  -1.58   34.37   27.66    42.0   0.030  1441.9
  55.0  -1.53  -1.53   34.39   27.68    40.2   0.032  1442.3
  60.0  -1.52  -1.52   34.41   27.69    38.9   0.034  1442.4
  65.0  -1.57  -1.57   34.41   27.69    38.6   0.036  1442.3
  70.0  -1.54  -1.55   34.43   27.71    37.1   0.038  1442.5
  75.0  -1.50  -1.51   34.44   27.72    36.2   0.040  1442.8
  80.0  -1.51  -1.51   34.43   27.71    37.1   0.042  1442.8
  85.0  -1.16  -1.17   34.48   27.74    34.3   0.043  1444.6
  90.0  -0.67  -0.67   34.52   27.75    33.3   0.045  1447.1
  95.0  -0.59  -0.60   34.52   27.75    33.8   0.047  1447.5
 100.0  -0.31  -0.32   34.54   27.75    33.7   0.048  1448.9
 110.0   0.34   0.34   34.63   27.79    29.9   0.052  1452.2
 120.0   0.78   0.77   34.67   27.79    29.7   0.055  1454.4
 130.0   1.16   1.15   34.73   27.82    27.8   0.058  1456.3
 140.0   1.76   1.75   34.80   27.83    26.7   0.060  1459.2
 150.0   1.82   1.81   34.82   27.84    25.5   0.063  1459.7
 160.0   1.81   1.80   34.83   27.85    25.3   0.066  1459.8
 170.0   1.77   1.76   34.83   27.85    24.8   0.068  1459.8
 180.0   1.73   1.72   34.84   27.86    23.7   0.071  1459.8
 190.0   1.68   1.67   34.84   27.87    23.3   0.073  1459.8
 200.0   1.71   1.70   34.85   27.87    22.9   0.075  1460.1
 210.0   1.75   1.73   34.86   27.88    22.2   0.078  1460.4
 220.0   1.77   1.76   34.86   27.88    22.3   0.080  1460.7
 230.0   1.96   1.95   34.91   27.90    20.7   0.082  1461.8
 240.0   1.96   1.95   34.91   27.90    20.7   0.084  1461.9
 250.0   1.93   1.92   34.90   27.90    21.0   0.086  1462.0
 260.0   1.82   1.81   34.89   27.90    20.8   0.088  1461.6
 270.0   1.80   1.78   34.91   27.91    19.6   0.090  1461.7
 280.0   1.79   1.78   34.91   27.92    19.1   0.092  1461.9
 290.0   1.76   1.75   34.91   27.92    19.2   0.094  1461.9
 300.0   1.74   1.72   34.92   27.92    18.5   0.096  1461.9
 310.0   1.67   1.66   34.91   27.92    18.6   0.098  1461.8
 320.0   1.64   1.62   34.92   27.94    17.3   0.100  1461.9
 330.0   1.63   1.61   34.92   27.94    17.2   0.102  1462.0
 340.0   1.62   1.60   34.93   27.94    16.9   0.103  1462.1
 350.0   1.53   1.51   34.92   27.95    16.5   0.105  1461.9
 360.0   1.47   1.45   34.92   27.95    16.1   0.107  1461.8
 370.0   1.42   1.41   34.92   27.96    15.6   0.108  1461.7
 380.0   1.37   1.36   34.91   27.95    16.1   0.110  1461.7
 390.0   1.32   1.30   34.92   27.96    15.5   0.111  1461.6
 400.0   1.28   1.26   34.92   27.96    14.9   0.113  1461.6
 410.0   1.25   1.23   34.92   27.97    14.6   0.115  1461.6
 410.3   1.25   1.22   34.93   27.97    13.9   0.115  1461.6

                    DEPTH       TEMP.       SALIN
```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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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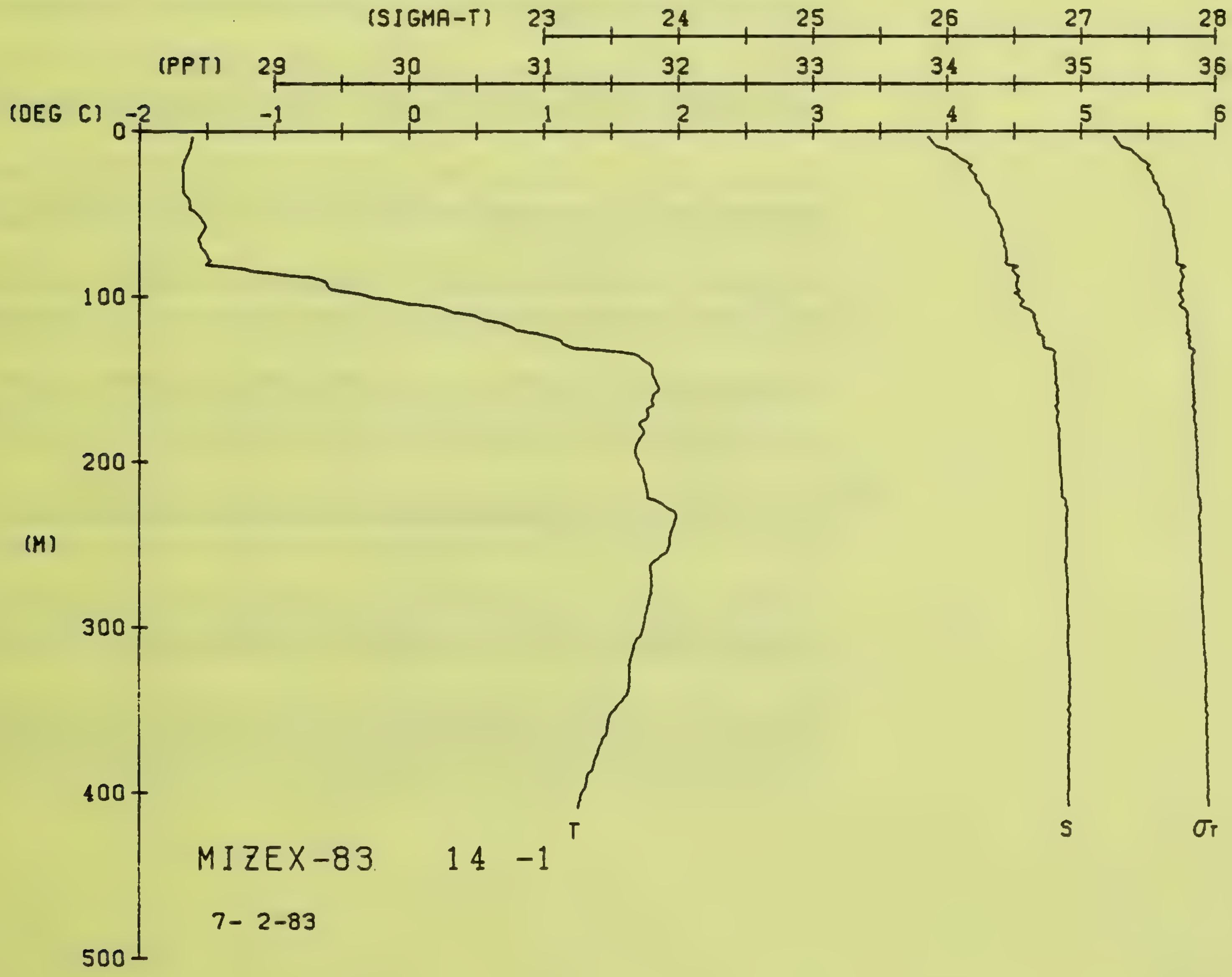
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 13 -1
7- 1-83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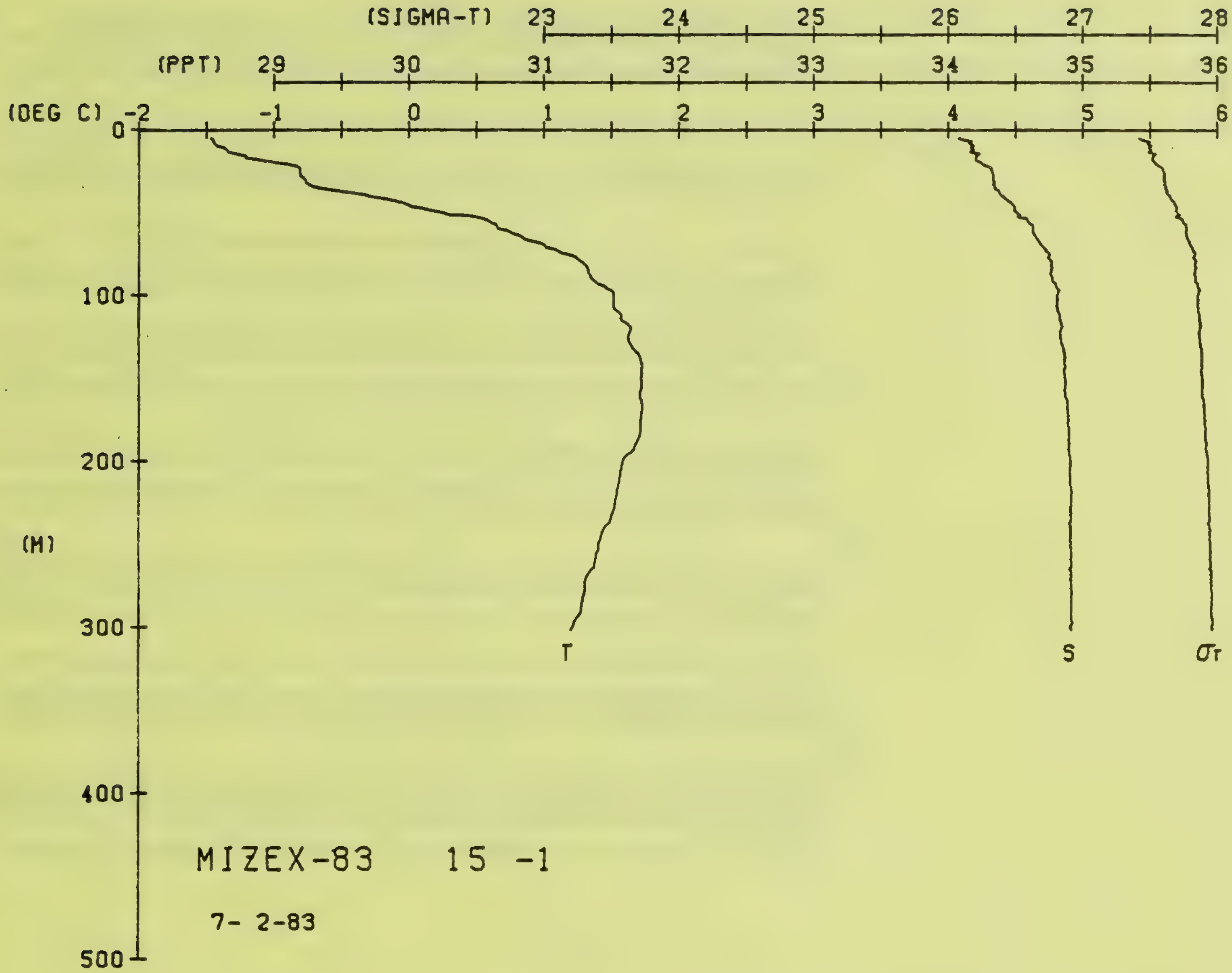
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 14 -1
7- 2-83

```
MIZEX-83 STATION  15(1) CTD   2/JUL/1983 2222 GMT   CODE = 1
LAT = 81.4567N LNG =   -7.4200W LTER =     150.  LGER =     150.
AIR TEMP =     0.0 BAROM =      0.0 WIND =     0.0 SPEED =     0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0    -1.46   -1.46   34.09   27.43    64.2   0.000   1441.2
   5.0    -1.46   -1.46   34.09   27.43    64.2   0.003   1441.3
   5.1    -1.46   -1.46   34.09   27.43    64.2   0.003   1441.3
  10.0    -1.42   -1.42   34.20   27.52    55.7   0.006   1441.7
  15.0    -1.29   -1.29   34.23   27.54    53.6   0.009   1442.5
  20.0    -1.01   -1.01   34.24   27.54    54.0   0.012   1443.9
  25.0    -0.81   -0.81   34.32   27.59    48.4   0.014   1445.0
  30.0    -0.78   -0.78   34.34   27.61    47.3   0.017   1445.3
  35.0    -0.71   -0.71   34.35   27.61    46.6   0.019   1445.7
  40.0    -0.32   -0.32   34.40   27.64    44.0   0.021   1447.7
  45.0    -0.04   -0.04   34.47   27.68    40.5   0.024   1449.1
  50.0     0.19    0.19   34.52   27.71    37.8   0.026   1450.3
  55.0     0.56    0.56   34.59   27.74    34.6   0.027   1452.2
  60.0     0.66    0.66   34.62   27.76    32.5   0.029   1452.8
  65.0     0.83    0.83   34.65   27.78    31.4   0.031   1453.7
  70.0     1.00    0.99   34.69   27.80    29.2   0.032   1454.6
  75.0     1.14    1.13   34.75   27.83    26.0   0.034   1455.3
  80.0     1.27    1.27   34.77   27.84    25.3   0.035   1456.1
  85.0     1.33    1.33   34.76   27.83    26.4   0.036   1456.4
  90.0     1.35    1.35   34.77   27.84    25.8   0.038   1456.6
  95.0     1.45    1.44   34.80   27.85    24.4   0.039   1457.1
 100.0     1.51    1.51   34.81   27.85    24.2   0.040   1457.5
 110.0     1.54    1.54   34.81   27.85    24.3   0.042   1457.8
 120.0     1.64    1.64   34.84   27.87    22.6   0.045   1458.5
 130.0     1.64    1.63   34.84   27.87    22.5   0.047   1458.6
 140.0     1.72    1.71   34.86   27.88    21.7   0.049   1459.1
 150.0     1.72    1.71   34.86   27.88    21.8   0.052   1459.3
 160.0     1.71    1.70   34.86   27.88    21.8   0.054   1459.4
 170.0     1.73    1.72   34.88   27.90    20.4   0.056   1459.7
 180.0     1.71    1.70   34.89   27.91    19.8   0.058   1459.8
 190.0     1.67    1.66   34.90   27.91    19.0   0.060   1459.8
 200.0     1.58    1.57   34.90   27.93    17.9   0.062   1459.6
 210.0     1.56    1.55   34.90   27.93    17.8   0.064   1459.6
 220.0     1.53    1.52   34.91   27.94    17.0   0.065   1459.7
 230.0     1.51    1.49   34.90   27.93    17.2   0.067   1459.8
 240.0     1.44    1.43   34.90   27.93    17.2   0.069   1459.6
 250.0     1.40    1.38   34.91   27.94    16.4   0.071   1459.6
 260.0     1.38    1.36   34.91   27.94    16.3   0.072   1459.7
 270.0     1.31    1.30   34.91   27.95    15.5   0.074   1459.6
 280.0     1.29    1.28   34.91   27.96    15.2   0.075   1459.6
 290.0     1.27    1.26   34.90   27.95    15.8   0.077   1459.7
 300.0     1.21    1.19   34.90   27.95    15.7   0.079   1459.6

                        DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  16(1) CTD   2/JUL/1983 2320 GMT   CODE = 1
LAT = 81.4300N LNG =   -5.7800W LTER =     150.  LGER =     150.
AIR TEMP =     0.0 BAROM =      0.0 WIND =     0.0 SPEED =     0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0    -1.70   -1.70   34.08   27.43    64.3   0.000   1440.1
   1.9    -1.70   -1.70   34.08   27.43    64.3   0.001   1440.1
   5.0    -1.73   -1.73   34.05   27.40    66.4   0.003   1440.0
  10.0    -1.72   -1.72   34.07   27.42    64.9   0.007   1440.1
  15.0    -1.72   -1.72   34.09   27.44    63.1   0.010   1440.3
  20.0    -1.72   -1.72   34.12   27.46    61.1   0.013   1440.4
  25.0    -1.72   -1.72   34.11   27.46    61.3   0.016   1440.5
  30.0    -1.72   -1.72   34.13   27.47    60.3   0.019   1440.6
  35.0    -1.73   -1.73   34.14   27.48    59.2   0.022   1440.6
  40.0    -1.73   -1.73   34.15   27.49    58.1   0.025   1440.7
  45.0    -1.74   -1.74   34.16   27.50    57.3   0.028   1440.8
  50.0    -1.73   -1.73   34.16   27.50    57.3   0.031   1440.9
  55.0    -1.72   -1.72   34.19   27.52    54.9   0.034   1441.1
  60.0    -1.73   -1.73   34.24   27.56    51.5   0.036   1441.2
  65.0    -1.62   -1.62   34.35   27.65    43.2   0.039   1441.9
  70.0    -1.56   -1.57   34.34   27.64    43.9   0.041   1442.3
  75.0    -1.55   -1.55   34.35   27.65    42.9   0.043   1442.4
  80.0    -1.49   -1.49   34.38   27.67    41.1   0.045   1442.9
  85.0    -1.39   -1.39   34.41   27.69    38.7   0.047   1443.5
  90.0    -0.97   -0.97   34.47   27.72    36.2   0.049   1445.6
  95.0    -0.68   -0.68   34.51   27.75    33.9   0.051   1447.1
 100.0    -0.28   -0.29   34.56   27.76    32.5   0.053   1449.0
 110.0     0.56    0.55   34.65   27.79    30.0   0.056   1453.2
 120.0     0.83    0.83   34.68   27.80    29.5   0.059   1454.6
 130.0     0.95    0.95   34.72   27.82    27.0   0.062   1455.4
 140.0     1.54    1.53   34.81   27.85    24.6   0.064   1458.3
 150.0     1.68    1.68   34.81   27.85    25.1   0.067   1459.1
 160.0     2.00    2.00   34.87   27.87    23.6   0.069   1460.7
 170.0     2.01    2.00   34.87   27.87    23.2   0.072   1461.0
 180.0     1.96    1.95   34.86   27.86    23 9   0.074   1460.9
 190.0     1.95    1.94   34.90   27.90    20.5   0.076   1461.0
 200.0     1.99    1.98   34.89   27.89    21.7   0.078   1461.4
 210.0     1.96    1.95   34.91   27.90    20.5   0.081   1461.5
 220.0     1.99    1.98   34.91   27.90    20.7   0.083   1461.8
 230.0     2.00    1.99   34.91   27.90    20.5   0.085   1462.0
 240.0     2.03    2.02   34.93   27.91    19.4   0.087   1462.3
 250.0     2.04    2.03   34.94   27.92    19.2   0.089   1462.5
 260.0     1.97    1.95   34.92   27.91    19.5   0.091   1462.3
 270.0     1.93    1.91   34.93   27.92    19.1   0.093   1462.3
 280.0     1.89    1.88   34.94   27.93    18.2   0.095   1462.3
 290.0     1.88    1.87   34.95   27.94    17.3   0.096   1462.5
 300.0     1.85    1.84   34.94   27.94    17.6   0.098   1462.5
 303.9     1.84    1.82   34.94   27.94    17.6   0.099   1462.5

                        DEPTH        TEMP.        SALIN
```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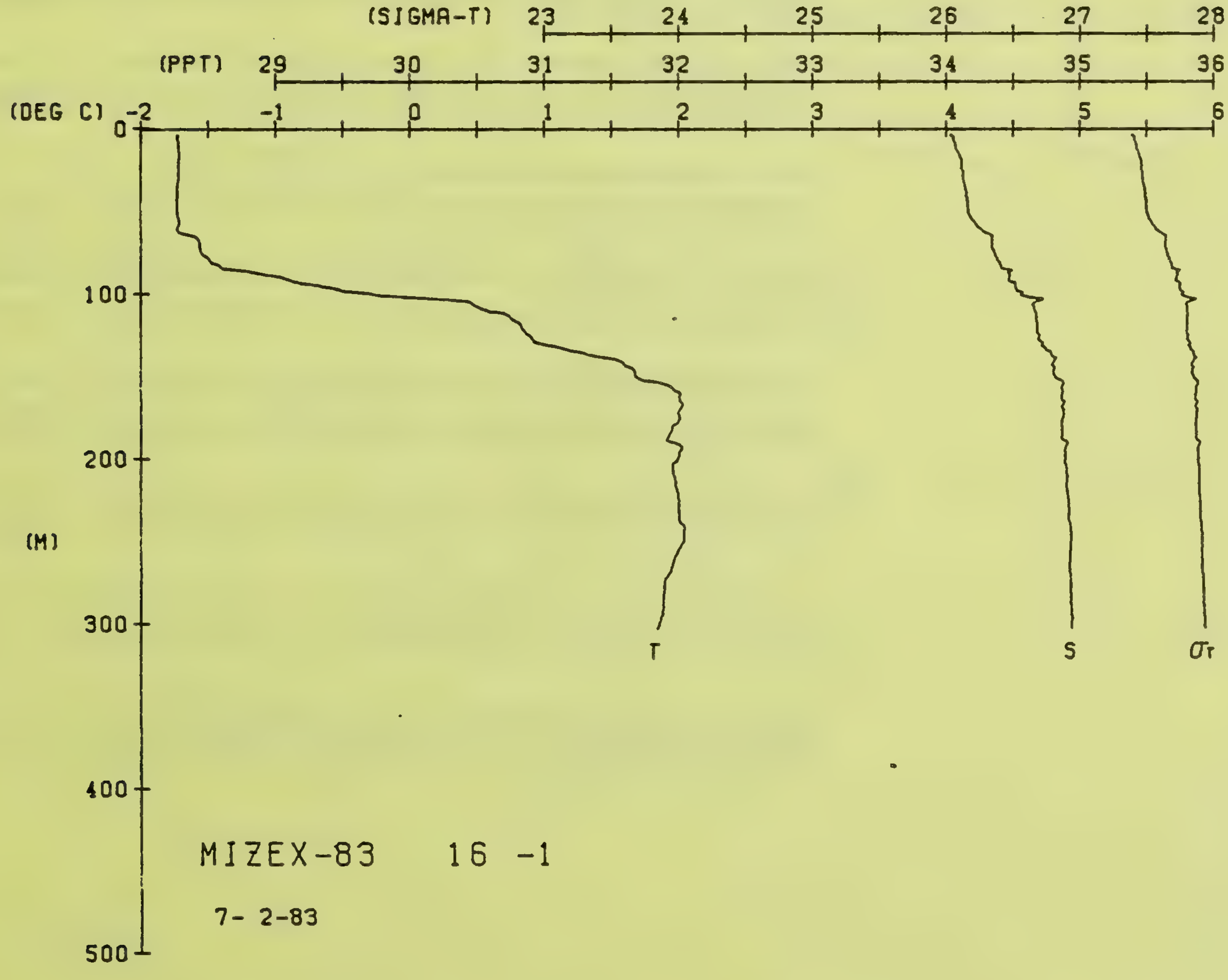
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 15 -1
7- 2-83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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 16 -1
7- 2-83

```
MIZEX-83 STATION  17(1) CTD   3/JUL/1983     4 GMT  CODE = 1
LAT = 81.1800N LNG =  -5.7900W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

    0.0  -1.50   -1.50   33.12   26.64   138.8   0.000   1439.7
    1.9  -1.50   -1.50   33.12   26.64   138.8   0.003   1439.7
    5.0  -1.49   -1.49   33.12   26.64   138.7   0.007   1439.8
   10.0  -1.47   -1.47   33.22   26.73   130.4   0.014   1440.2
   15.0  -1.50   -1.50   33.61   27.04   100.6   0.020   1440.6
   20.0  -1.55   -1.55   33.79   27.19    86.9   0.024   1440.7
   25.0  -1.49   -1.49   33.95   27.32    74.7   0.029   1441.3
   30.0  -1.47   -1.47   34.08   27.42    64.4   0.032   1441.7
   35.0  -1.34   -1.34   34.24   27.55    52.6   0.035   1442.6
   40.0  -1.08   -1.08   34.29   27.58    49.5   0.038   1444.0
   45.0  -0.32   -0.32   34.31   27.57    51.1   0.040   1447.6
   50.0  -0.30   -0.30   34.39   27.63    45.1   0.043   1447.9
   55.0   0.49    0.49   34.44   27.63    45.2   0.045   1451.7
   60.0   1.19    1.18   34.61   27.72    36.7   0.047   1455.1
   65.0   1.65    1.65   34.73   27.78    31.2   0.049   1457.4
   70.0   1.78    1.78   34.76   27.80    29.5   0.050   1458.1
   75.0   1.92    1.92   34.80   27.82    27.8   0.052   1458.9
   80.0   1.68    1.68   34.78   27.82    27.4   0.053   1457.9
   85.0   1.80    1.80   34.79   27.82    27.8   0.054   1458.5
   90.0   1.88    1.87   34.82   27.83    26.2   0.056   1459.0
   95.0   2.00    1.99   34.84   27.85    25.0   0.057   1459.6
  100.0   2.13    2.13   34.87   27.86    24.1   0.058   1460.3
  110.0   2.18    2.17   34.89   27.87    22.8   0.061   1460.7
  120.0   2.24    2.23   34.91   27.88    22.3   0.063   1461.2
  130.0   2.28    2.27   34.91   27.88    22.5   0.065   1461.5
  140.0   2.22    2.21   34.91   27.88    22.3   0.067   1461.4
  150.0   2.15    2.14   34.91   27.89    21.7   0.070   1461.3
  160.0   2.13    2.12   34.92   27.89    21.1   0.072   1461.4
  170.0   2.13    2.12   34.92   27.90    20.4   0.074   1461.5
  180.0   2.18    2.17   34.94   27.91    19.3   0.076   1462.0
  190.0   2.15    2.14   34.94   27.91    19.8   0.078   1462.0
  200.0   2.13    2.12   34.94   27.91    19.4   0.080   1462.1
  210.0   2.08    2.07   34.94   27.92    19.1   0.082   1462.0
  220.0   2.00    1.98   34.94   27.92    18.6   0.084   1461.8
  230.0   1.97    1.96   34.93   27.92    19.0   0.086   1461.8
  240.0   1.96    1.94   34.94   27.93    17.8   0.088   1462.0
  250.0   1.97    1.96   34.95   27.93    17.7   0.089   1462.2
  260.0   1.97    1.96   34.95   27.93    17.8   0.091   1462.4
  270.0   1.96    1.95   34.96   27.94    16.8   0.093   1462.5
  280.0   1.97    1.95   34.96   27.94    16.9   0.095   1462.7
  290.0   1.99    1.97   34.96   27.94    16.9   0.096   1463.0
  300.0   1.91    1.89   34.96   27.95    16.2   0.098   1462.8
  301.7   1.90    1.88   34.96   27.94    16.8   0.098   1462.8

                         DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  18(1) CTD   3/JUL/1983    49 GMT  CODE = 1
LAT = 81.0900N LNG =  -5.7800W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0  -1.25   -1.25   33.42   26.88   116.3   *****   1441.3
   5.0  -1.25   -1.25   33.42   26.88   116.2   *****   1441.4
   0.0  -1.25   -1.25   33.42   26.88   116.3   *****   1441.3
  10.0
  15.0
  16.1  -1.25   -1.25   33.42   26.88   116.2   *****   1441.5
  20.0  -1.12   -1.12   33.48   26.93   111.5   *****   1442.3
  25.0   1.08    1.08   34.28   27.46    61.4   *****   1453.6
  30.0   1.00    1.00   34.52   27.66    42.7   *****   1453.6
  35.0   0.17    0.17   34.50   27.69    39.2   *****   1449.9
  40.0  -0.02   -0.02   34.45   27.67    41.6   *****   1449.1
  45.0  -0.47   -0.48   34.53   27.75    33.3   *****   1447.2
  50.0  -0.22   -0.22   34.60   27.79    29.5   *****   1448.5
  55.0   0.22    0.22   34.63   27.80    29.3   *****   1450.7
  60.0   0.75    0.75   34.73   27.84    25.2   *****   1453.3
  65.0   0.93    0.93   34.73   27.83    26.4   *****   1454.2
  70.0   1.15    1.14   34.79   27.86    23.1   *****   1455.3
  75.0   1.45    1.44   34.74   27.81    28.4   *****   1456.7
  80.0   1.20    1.19   34.75   27.83    26.5   *****   1455.7
  85.0   1.37    1.36   34.76   27.83    26.5   *****   1456.5
  90.0   1.53    1.52   34.77   27.82    27.1   *****   1457.4
  95.0   1.69    1.69   34.83   27.86    24.1   *****   1458.2
 100.0   1.87    1.87   34.85   27.86    23.7   *****   1459.1
 110.0   1.96    1.96   34.85   27.85    24.7   *****   1459.7
 120.0   2.07    2.07   34.86   27.85    24.8   *****   1460.4
 130.0   2.09    2.08   34.88   27.87    23.0   *****   1460.6
 140.0   2.14    2.13   34.90   27.88    22.3   *****   1461.0
 150.0   2.19    2.18   34.91   27.89    21.7   *****   1461.4
 160.0   2.17    2.16   34.91   27.89    21.7   *****   1461.5
 170.0   2.19    2.18   34.92   27.89    21.3   *****   1461.8
 180.0   2.19    2.18   34.93   27.90    20.6   *****   1462.0
 190.0   2.23    2.21   34.93   27.90    20.7   *****   1462.3
 200.0   2.15    2.14   34.94   27.91    19.9   *****   1462.1
 210.0   2.10    2.09   34.94   27.91    19.6   *****   1462.1
 220.0   2.07    2.06   34.94   27.91    19.4   *****   1462.1
 230.0   2.06    2.05   34.94   27.92    18.7   *****   1462.3
 240.0   2.07    2.05   34.95   27.93    18.1   *****   1462.5
 250.0   2.03    2.02   34.94   27.92    18.8   *****   1462.5
 260.0   1.95    1.93   34.94   27.93    18.1   *****   1462.2
 270.0   1.92    1.91   34.95   27.94    17.1   *****   1462.3
 280.0   1.94    1.93   34.96   27.95    16.5   *****   1462.6
 290.0   1.92    1.90   34.96   27.94    16.7   *****   1462.7
 300.0   1.89    1.87   34.96   27.95    16.6   *****   1462.7

                        DEPTH        TEMP.        SALIN
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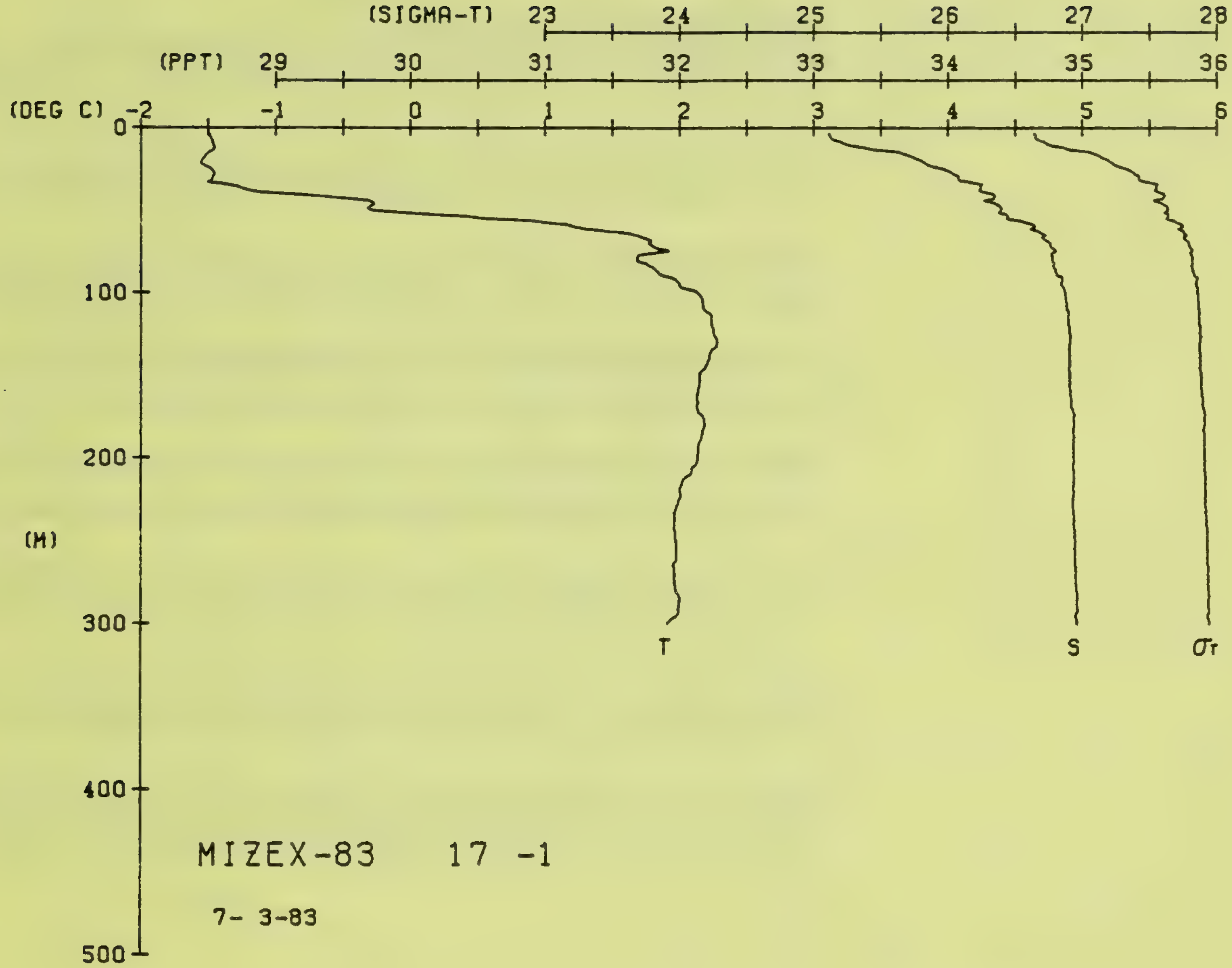

MIZEX-83 17 -1

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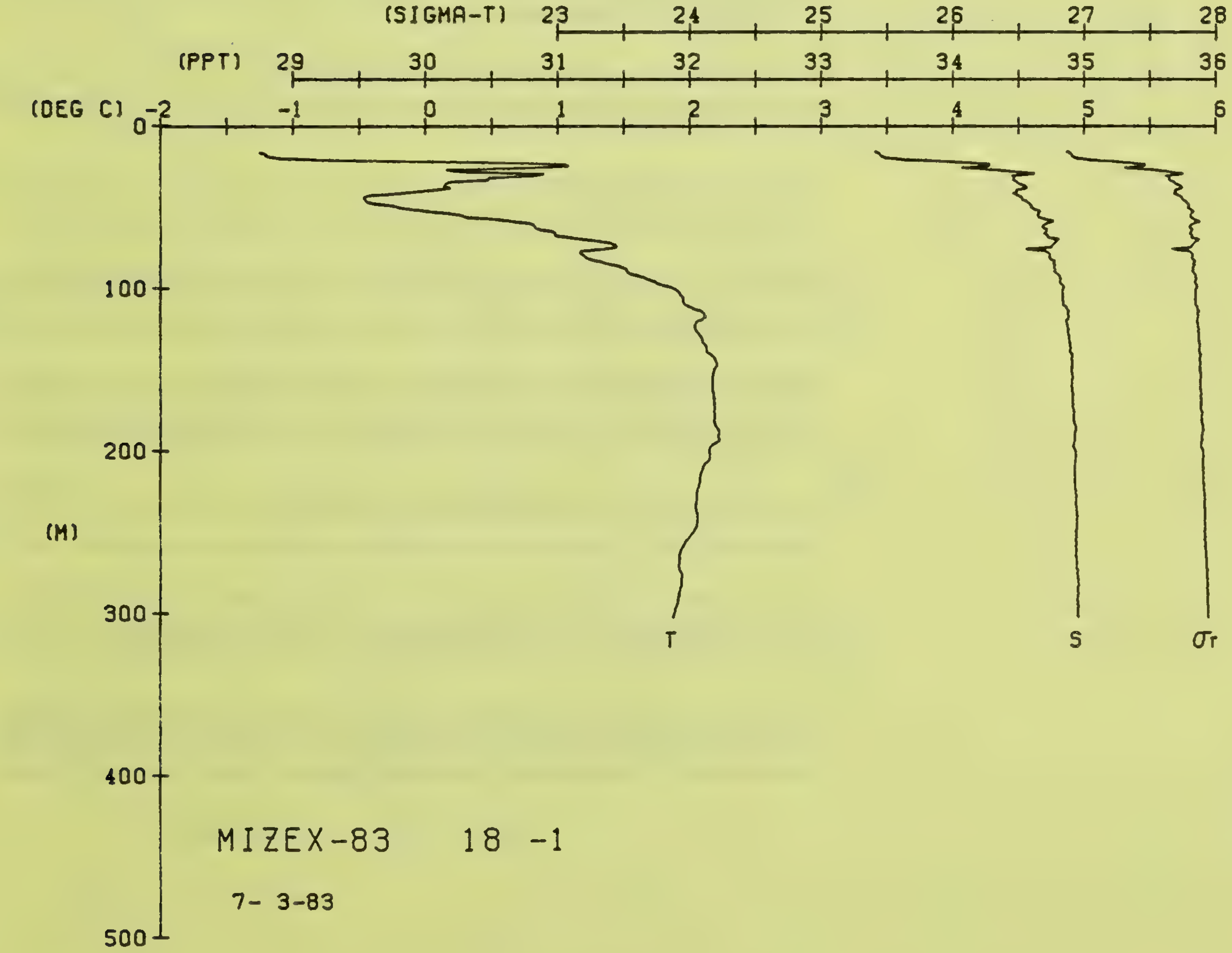

MIZEX-83 18 -1

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MIZEX-83 STATION  19(1) CTD   3/JUL/1983  135 GMT  CODE = 1
LAT = 81.0900N LNG =   -6.5000W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.57  -1.57   33.22   26.72   131.0   0.000  1439.5
   1.9  -1.57  -1.57   33.22   26.72   130.9   0.003  1439.5
   5.0  -1.55  -1.55   33.20   26.71   131.9   0.007  1439.6
  10.0  -1.53  -1.53   33.31   26.80   123.6   0.013  1440.0
  15.0  -1.52  -1.52   33.68   27.10    95.3   0.019  1440.6
  20.0  -1.48  -1.48   33.95   27.32    74.2   0.023  1441.3
  25.0  -1.33  -1.33   34.11   27.44    63.0   0.026  1442.3
  30.0  -0.83  -0.83   34.29   27.57    50.7   0.029  1445.0
  35.0  -0.84  -0.84   34.34   27.61    46.8   0.032  1445.1
  40.0  -0.78  -0.78   34.38   27.64    44.1   0.034  1445.5
  45.0  -0.47  -0.47   34.59   27.80    29.2   0.036  1447.3
  50.0   0.14   0.14   34.57   27.75    33.8   0.037  1450.2
  55.0   0.38   0.38   34.62   27.78    30.8   0.039  1451.4
  60.0   0.67   0.67   34.64   27.78    31.4   0.041  1452.8
  65.0   1.21   1.20   34.70   27.79    30.4   0.042  1455.4
  70.0   1.48   1.48   34.75   27.81    28.4   0.044  1456.8
  75.0   1.60   1.60   34.75   27.80    28.9   0.045  1457.4
  80.0   1.60   1.60   34.77   27.81    27.9   0.047  1457.5
  85.0   1.65   1.65   34.79   27.83    26.3   0.048  1457.8
  90.0   1.88   1.88   34.82   27.83    26.2   0.049  1459.0
  95.0   1.87   1.87   34.81   27.83    26.7   0.051  1459.0
 100.0   1.78   1.78   34.81   27.83    26.2   0.052  1458.7
 110.0   1.86   1.86   34.83   27.85    25.2   0.055  1459.2
 120.0   1.93   1.93   34.85   27.86    24.2   0.057  1459.8
 130.0   2.05   2.04   34.88   27.87    22.9   0.059  1460.5
 140.0   2.14   2.13   34.89   27.87    22.9   0.062  1461.0
 150.0   2.22   2.21   34.91   27.88    22.3   0.064  1461.6
 160.0   2.27   2.26   34.92   27.89    21.7   0.066  1462.0
 170.0   2.25   2.24   34.92   27.89    21.4   0.068  1462.0
 180.0   2.28   2.27   34.92   27.89    21.7   0.071  1462.4
 190.0   2.24   2.23   34.94   27.90    20.5   0.073  1462.4
 200.0   2.14   2.13   34.93   27.90    20.4   0.075  1462.1
 210.0   2.19   2.18   34.95   27.91    19.3   0.077  1462.5
 220.0   2.17   2.16   34.95   27.91    19.3   0.079  1462.6
 230.0   2.12   2.10   34.94   27.92    19.3   0.081  1462.5
 240.0   2.08   2.06   34.95   27.92    18.4   0.083  1462.5
 250.0   2.08   2.07   34.95   27.93    18.4   0.085  1462.7
 260.0   2.12   2.11   34.96   27.93    18.2   0.086  1463.0
 270.0   2.11   2.10   34.96   27.93    17.8   0.088  1463.2
 280.0   2.09   2.08   34.96   27.93    17.9   0.090  1463.3
 290.0   2.01   2.00   34.96   27.94    17.1   0.092  1463.1
 300.0   2.06   2.04   34.96   27.94    17.4   0.094  1463.4
 302.7   2.07   2.05   34.97   27.94    17.1   0.094  1463.5

                        DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  20(1) CTD   3/JUL/1983  215 GMT  CODE = 1
LAT = 81.0900N LNG =   -7.1500W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.63  -1.63   33.39   26.87   117.1   0.000  1439.5
   1.9  -1.63  -1.63   33.39   26.87   117.1   0.002  1439.5
   5.0  -1.60  -1.60   33.35   26.84   120.4   0.006  1439.6
  10.0  -1.56  -1.56   33.57   27.01   103.9   0.012  1440.2
  15.0  -1.58  -1.58   33.65   27.07    97.6   0.017  1440.3
  20.0  -1.57  -1.57   33.75   27.16    89.6   0.021  1440.6
  25.0  -1.56  -1.56   34.03   27.38    68.4   0.025  1441.1
  30.0  -1.01  -1.01   34.27   27.57    51.0   0.028  1444.1
  35.0  -0.96  -0.96   34.34   27.62    46.2   0.031  1444.5
  40.0  -1.21  -1.21   34.40   27.68    40.3   0.033  1443.5
  45.0  -1.24  -1.24   34.41   27.68    40.1   0.035  1443.5
  50.0  -1.36  -1.37   34.46   27.73    35.6   0.037  1443.0
  55.0  -1.33  -1.33   34.45   27.72    36.7   0.039  1443.3
  60.0  -1.30  -1.31   34.49   27.75    33.6   0.041  1443.5
  65.0  -1.30  -1.30   34.47   27.74    34.6   0.042  1443.6
  70.0  -1.14  -1.14   34.52   27.77    31.6   0.044  1444.5
  75.0  -0.57  -0.57   34.54   27.76    32.4   0.046  1447.3
  80.0  -0.12  -0.12   34.64   27.82    26.6   0.047  1449.6
  85.0   0.44   0.44   34.71   27.85    24.8   0.048  1452.3
  90.0   0.78   0.78   34.70   27.82    27.5   0.050  1453.9
  95.0   0.99   0.98   34.79   27.88    21.9   0.051  1455.0
 100.0   1.19   1.19   34.74   27.83    26.8   0.052  1456.0
 110.0   1.57   1.56   34.79   27.83    26.3   0.055  1457.9
 120.0   1.78   1.78   34.80   27.83    26.7   0.058  1459.0
 130.0   1.92   1.92   34.84   27.85    25.2   0.060  1459.9
 140.0   1.94   1.93   34.84   27.85    25.2   0.063  1460.1
 150.0   1.96   1.95   34.85   27.86    24.2   0.065  1460.4
 160.0   2.11   2.10   34.88   27.87    23.5   0.068  1461.2
 170.0   2.23   2.22   34.89   27.87    23.5   0.070  1461.9
 180.0   2.28   2.27   34.92   27.89    22.0   0.072  1462.4
 190.0   2.34   2.32   34.93   27.89    21.6   0.075  1462.8
 200.0   2.30   2.29   34.93   27.89    21.4   0.077  1462.8
 210.0   2.28   2.27   34.94   27.90    20.8   0.079  1462.9
 220.0   2.26   2.25   34.93   27.89    21.3   0.081  1463.0
 230.0   2.16   2.14   34.92   27.90    21.2   0.083  1462.7
 240.0   2.12   2.11   34.93   27.91    20.0   0.085  1462.7
 250.0   2.10   2.09   34.93   27.91    19.9   0.087  1462.8
 260.0   2.02   2.00   34.95   27.93    18.2   0.089  1462.6
 270.0   1.99   1.98   34.93   27.92    19.2   0.091  1462.6
 280.0   1.95   1.94   34.93   27.92    19.1   0.093  1462.6
 290.0   1.98   1.96   34.94   27.93    18.3   0.095  1462.9
 300.0   1.89   1.87   34.93   27.93    18.5   0.097  1462.6
 304.7   1.81   1.79   34.94   27.94    17.3   0.098  1462.4

                        DEPTH        TEMP.        SALIN
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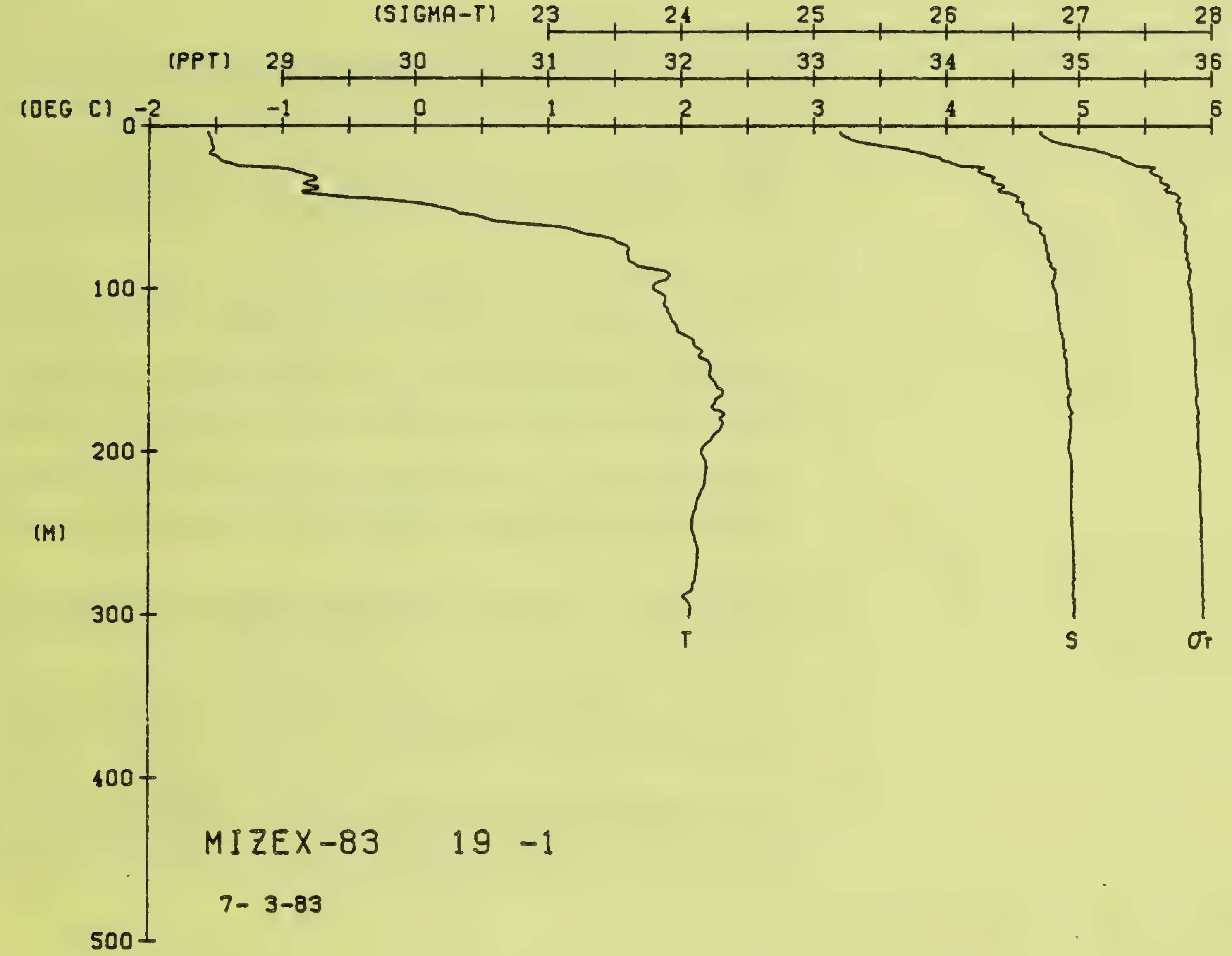
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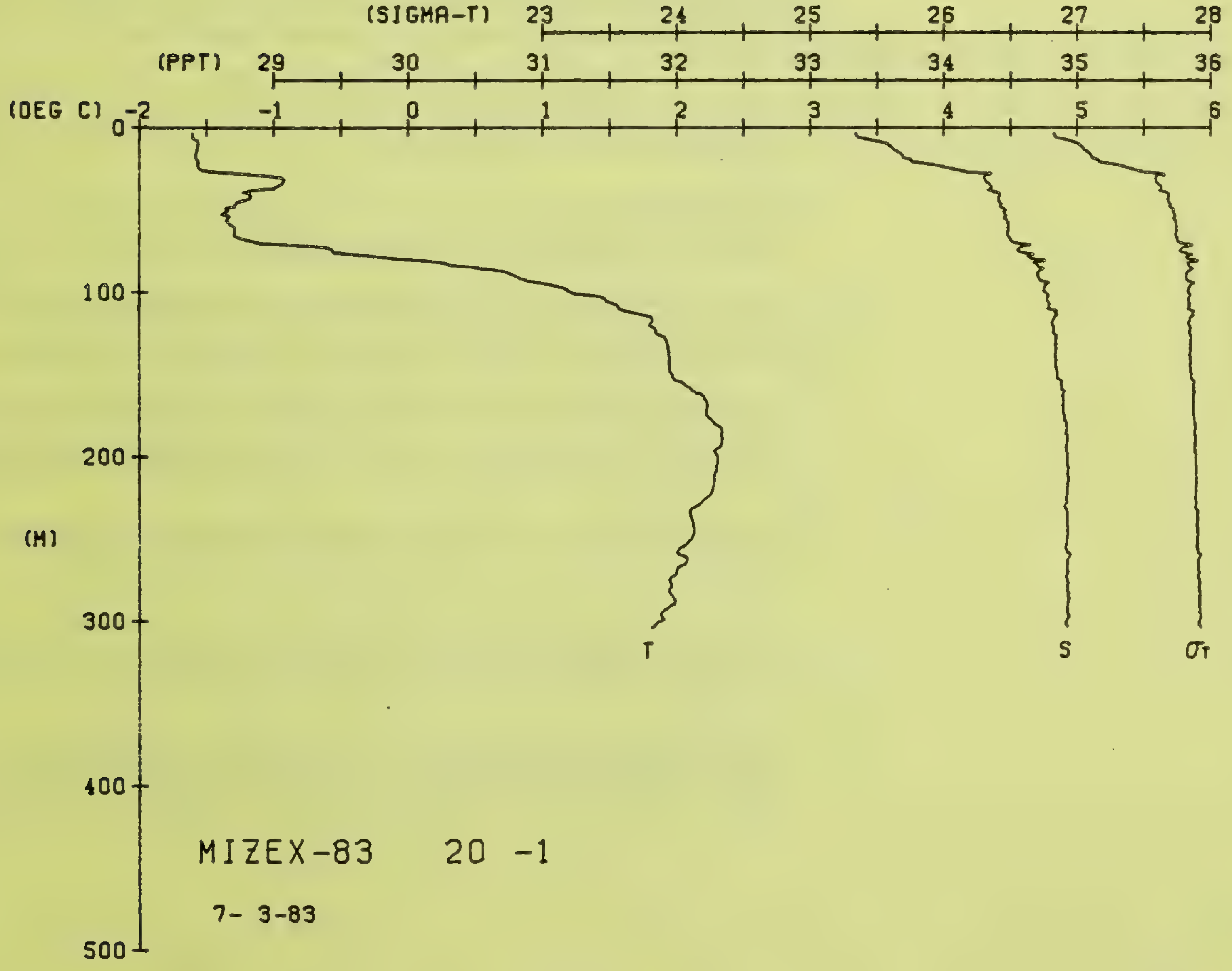
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 19 -1
7- 3-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 20 -1
7- 3-83

```
MIZEX-83 STATION  21(1) CTD   3/JUL/1983  320 GMT  CODE = 1
LAT = 81.0800N LNG =  -7.8900W LTER =     150.  LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.59   -1.59   33.94   27.31    75.1   0.000   1440.4
   5.0   -1.59   -1.59   33.94   27.31    75.1   0.004   1440.5
   9.4   -1.59   -1.59   33.94   27.31    75.1   0.007   1440.6
  10.0   -1.59   -1.59   33.94   27.32    74.6   0.008   1440.6
  15.0   -1.69   -1.69   34.12   27.46    60.7   0.011   1440.5
  20.0   -1.71   -1.71   34.17   27.50    57.2   0.014   1440.5
  25.0   -1.73   -1.73   34.18   27.51    56.5   0.017   1440.5
  30.0   -1.73   -1.73   34.19   27.52    55.5   0.020   1440.6
  35.0   -1.74   -1.74   34.20   27.53    54.2   0.022   1440.7
  40.0   -1.78   -1.78   34.27   27.58    49.3   0.025   1440.7
  45.0   -1.77   -1.77   34.28   27.60    48.1   0.028   1440.8
  50.0   -1.75   -1.75   34.31   27.62    46.1   0.030   1441.0
  55.0   -1.70   -1.70   34.32   27.63    45.1   0.032   1441.4
  60.0   -1.44   -1.44   34.37   27.66    42.2   0.034   1442.7
  65.0   -1.23   -1.23   34.41   27.68    39.8   0.037   1443.8
  70.0   -1.30   -1.30   34.40   27.68    40.3   0.039   1443.6
  75.0   -1.41   -1.41   34.42   27.70    38.0   0.041   1443.2
  80.0   -1.13   -1.13   34.46   27.72    35.8   0.042   1444.7
  85.0   -0.90   -0.90   34.46   27.71    36.8   0.044   1445.8
  90.0   -0.86   -0.86   34.49   27.73    35.0   0.046   1446.1
  95.0    0.36    0.36   34.65   27.80    28.9   0.048   1452.0
 100.0    0.57    0.57   34.63   27.78    31.4   0.049   1453.0
 110.0    0.84    0.83   34.65   27.78    31.3   0.052   1454.4
 120.0    1.02    1.02   34.69   27.79    30.0   0.055   1455.5
 130.0    1.28    1.27   34.75   27.82    27.2   0.058   1456.9
 140.0    1.42    1.42   34.78   27.84    25.8   0.061   1457.7
 150.0    1.68    1.68   34.82   27.85    24.7   0.064   1459.1
 160.0    1.78    1.77   34.83   27.85    25.1   0.066   1459.7
 170.0    2.04    2.03   34.87   27.87    23.5   0.069   1461.1
 180.0    2.09    2.08   34.88   27.87    23.2   0.071   1461.5
 190.0    2.18    2.17   34.91   27.88    22.1   0.073   1462.1
 200.0    2.18    2.17   34.92   27.89    21.4   0.075   1462.2
 210.0    2.21    2.20   34.92   27.89    21.4   0.078   1462.6
 220.0    2.21    2.20   34.93   27.90    21.2   0.080   1462.7
 230.0    2.19    2.17   34.93   27.90    20.6   0.082   1462.8
 240.0    2.15    2.13   34.93   27.91    20.2   0.084   1462.8
 250.0    2.14    2.12   34.93   27.91    20.3   0.086   1462.9
 260.0    2.10    2.09   34.94   27.91    19.8   0.088   1462.9
 270.0    2.09    2.07   34.94   27.92    19.5   0.090   1463.0
 280.0    2.08    2.07   34.94   27.92    19.5   0.092   1463.2
 290.0    2.05    2.03   34.94   27.92    19.3   0.094   1463.2

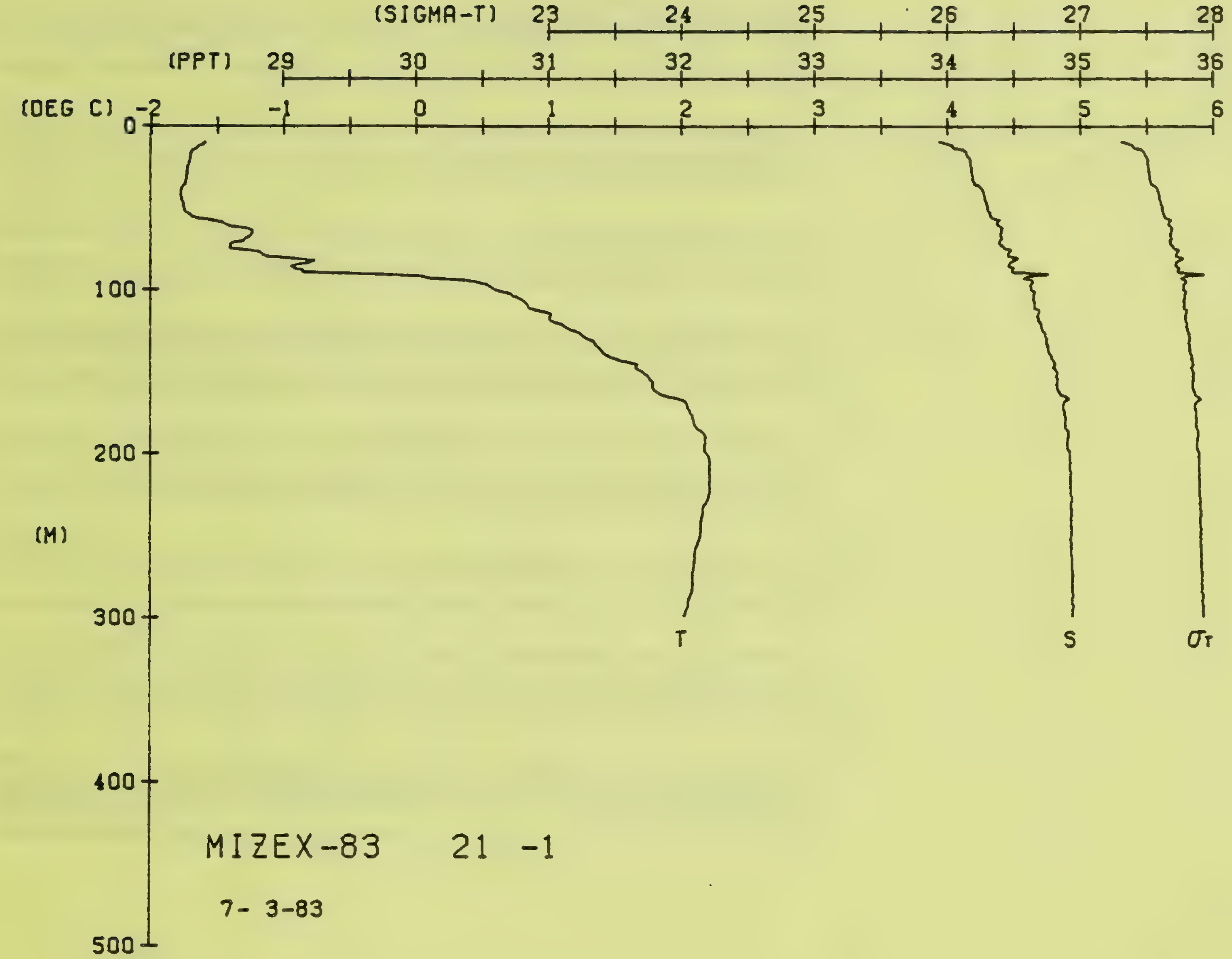
                          DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  22(1) CTD   3/JUL/1983  622 GMT  CODE = 1
LAT = 81.4400N LNG =  -9.0000W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.70   -1.70   34.12   27.46    61.2   0.000   1440.2
   1.9   -1.70   -1.70   34.12   27.46    61.1   0.001   1440.2
   5.0   -1.70   -1.70   34.05   27.41    66.1   0.003   1440.1
  10.0   -1.71   -1.71   34.05   27.41    66.2   0.007   1440.2
  15.0   -1.71   -1.71   34.07   27.42    64.8   0.010   1440.3
  20.0   -1.72   -1.72   34.12   27.47    60.4   0.013   1440.4
  25.0   -1.72   -1.72   34.11   27.45    61.8   0.016   1440.5
  30.0   -1.73   -1.73   34.14   27.48    59.2   0.019   1440.5
  35.0   -1.74   -1.75   34.13   27.47    60.1   0.022   1440.5
  40.0   -1.75   -1.75   34.12   27.47    60.2   0.025   1440.6
  45.0   -1.76   -1.76   34.13   27.47    60.1   0.028   1440.7
  50.0   -1.76   -1.76   34.14   27.48    58.7   0.031   1440.7
  55.0   -1.76   -1.76   34.16   27.49    57.6   0.034   1440.8
  60.0   -1.56   -1.56   34.23   27.55    52.4   0.037   1442.0
  65.0   -1.25   -1.25   34.31   27.61    47.0   0.039   1443.6
  70.0   -0.63   -0.63   34.42   27.67    41.1   0.042   1446.8
  75.0   -0.29   -0.29   34.44   27.67    41.5   0.044   1448.4
  80.0   -0.11   -0.12   34.47   27.69    39.7   0.046   1449.4
  85.0    0.22    0.22   34.50   27.69    39.2   0.048   1451.0
  90.0    0.46    0.46   34.55   27.71    37.1   0.050   1452.3
  95.0    0.63    0.62   34.56   27.72    37.1   0.052   1453.1
 100.0    0.65    0.65   34.56   27.71    37.4   0.054   1453.3
 110.0    0.94    0.94   34.62   27.74    34.9   0.057   1454.8
 120.0    1.32    1.31   34.71   27.79    30.4   0.060   1456.8
 130.0    1.53    1.52   34.74   27.80    29.7   0.063   1458.0
 140.0    1.70    1.69   34.77   27.81    28.6   0.066   1458.9
 150.0    1.81    1.80   34.80   27.82    27.4   0.069   1459.6
 160.0    1.93    1.92   34.82   27.84    26.4   0.072   1460.4
 170.0    2.05    2.04   34.85   27.85    25.2   0.075   1461.1
 180.0    2.12    2.11   34.87   27.86    24.1   0.077   1461.6
 190.0    2.16    2.15   34.89   27.87    23.1   0.079   1462.0
 200.0    2.21    2.20   34.90   27.88    22.9   0.082   1462.3
 210.0    2.25    2.24   34.91   27.88    22.9   0.084   1462.7
 220.0    2.25    2.23   34.93   27.89    21.5   0.086   1462.9
 230.0    2.26    2.24   34.93   27.89    21.6   0.089   1463.1
 240.0    2.26    2.25   34.93   27.89    21.4   0.091   1463.3
 250.0    2.28    2.27   34.94   27.90    21.2   0.093   1463.6
 260.0    2.28    2.26   34.94   27.90    20.8   0.095   1463.7
 270.0    2.26    2.25   34.94   27.90    20.8   0.097   1463.8
 280.0    2.24    2.22   34.95   27.92    19.6   0.099   1463.9
 290.0    2.21    2.19   34.95   27.91    19.8   0.101   1463.9
 300.0    2.18    2.17   34.95   27.92    19.3   0.103   1464.0

                          DEPTH       TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 21 -1
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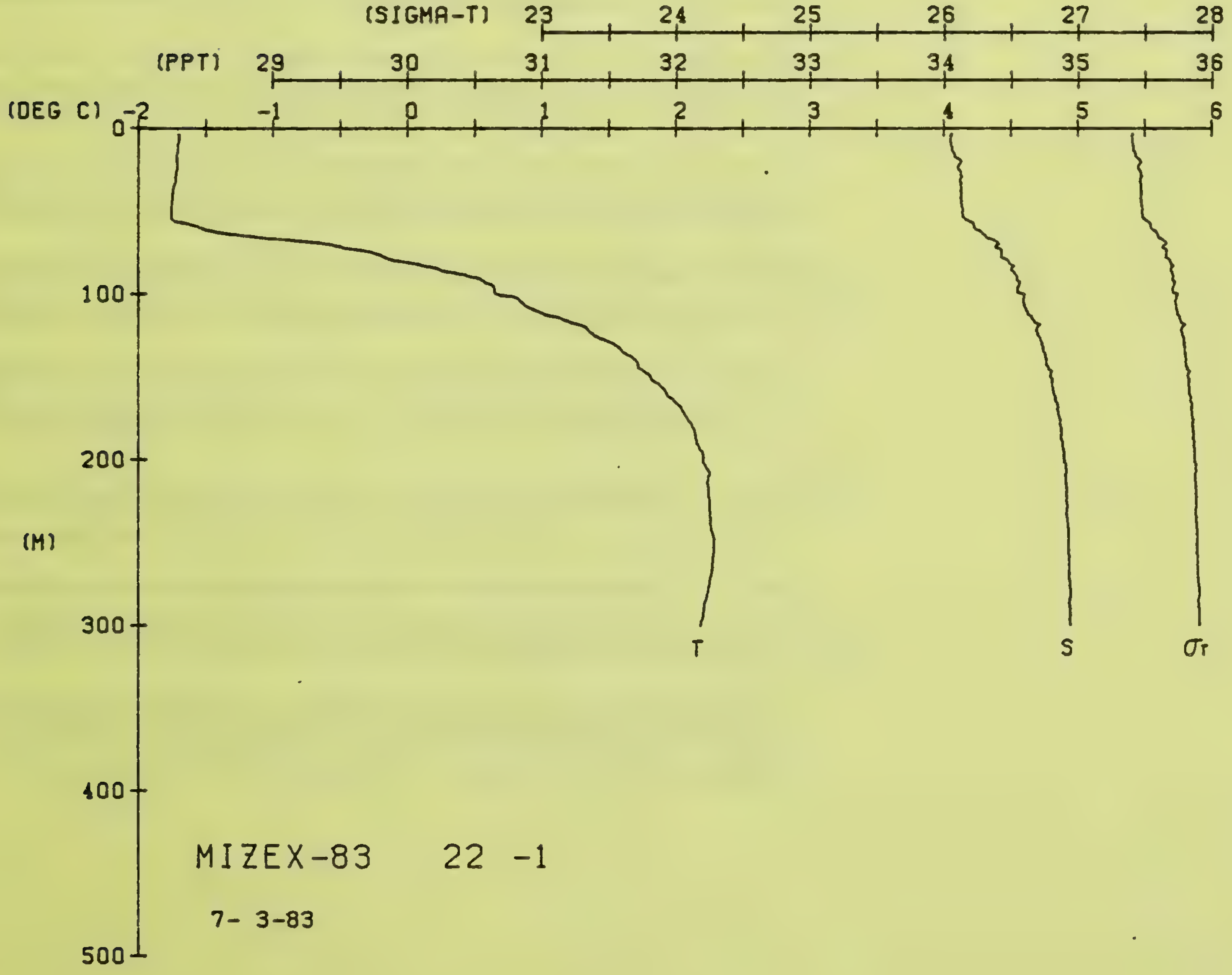

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 22 -1
7- 3-83

```
MIZEX-83 STATION  23(1) CTD   3/JUL/1983  709 GMT  CODE = 1
LAT = 81. 2100N LNG =   -8. 9200W LTER =    150.  LGER =    150.
AIR TEMP =     0. 0 BAROM =      0. 0 WIND =    0. 0 SPEED =    0. 0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0  -1. 56  -1. 56  33. 79  27. 19   86. 9  0. 000  1440. 4
   1. 9  -1. 56  -1. 56  33. 79  27. 19   86. 9  0. 002  1440. 4
   5. 0  -1. 63  -1. 63  33. 82  27. 22   84. 1  0. 004  1440. 1
  10. 0  -1. 63  -1. 63  33. 82  27. 22   84. 3  0. 009  1440. 2
  15. 0  -1. 64  -1. 64  33. 86  27. 25   81. 2  0. 013  1440. 3
  20. 0  -1. 67  -1. 67  33. 97  27. 34   72. 4  0. 017  1440. 4
  25. 0  -1. 73  -1. 73  34. 11  27. 46   61. 2  0. 020  1440. 4
  30. 0  -1. 75  -1. 75  34. 15  27. 49   58. 2  0. 023  1440. 4
  35. 0  -1. 76  -1. 77  34. 18  27. 51   56. 1  0. 026  1440. 5
  40. 0  -1. 77  -1. 77  34. 18  27. 52   55. 6  0. 029  1440. 6
  45. 0  -1. 77  -1. 77  34. 20  27. 53   54. 0  0. 032  1440. 7
  50. 0  -1. 71  -1. 71  34. 23  27. 55   52. 5  0. 034  1441. 1
  55. 0  -1. 63  -1. 63  34. 26  27. 58   49. 9  0. 037  1441. 6
  60. 0  -1. 57  -1. 57  34. 27  27. 58   49. 1  0. 039  1442. 0
  65. 0  -1. 48  -1. 48  34. 32  27. 62   45. 8  0. 042  1442. 6
  70. 0  -1. 17  -1. 18  34. 35  27. 63   44. 8  0. 044  1444. 1
  75. 0  -0. 78  -0. 78  34. 43  27. 68   39. 8  0. 046  1446. 2
  80. 0  -0. 34  -0. 34  34. 46  27. 68   39. 8  0. 048  1448. 3
  85. 0   0. 02   0. 02  34. 48  27. 68   40. 1  0. 050  1450. 1
  90. 0   0. 80   0. 79  34. 61  27. 74   34. 5  0. 052  1453. 9
  95. 0   1. 07   1. 06  34. 64  27. 75   33. 8  0. 054  1455. 2
 100. 0   1. 21   1. 20  34. 65  27. 75   33. 7  0. 056  1455. 9
 110. 0   1. 41   1. 40  34. 69  27. 77   32. 3  0. 059  1457. 0
 120. 0   1. 55   1. 54  34. 73  27. 79   30. 6  0. 062  1457. 9
 130. 0   1. 73   1. 72  34. 77  27. 81   28. 6  0. 065  1458. 9
 140. 0   1. 84   1. 83  34. 80  27. 83   27. 1  0. 068  1459. 6
 150. 0   2. 01   2. 00  34. 84  27. 84   26. 0  0. 071  1460. 6
 160. 0   2. 10   2. 09  34. 86  27. 85   24. 8  0. 073  1461. 2
 170. 0   2. 13   2. 12  34. 87  27. 86   24. 3  0. 076  1461. 4
 180. 0   2. 18   2. 16  34. 89  27. 87   23. 4  0. 078  1461. 9
 190. 0   2. 18   2. 17  34. 89  27. 87   23. 7  0. 080  1462. 1
 200. 0   2. 20   2. 19  34. 89  27. 87   23. 4  0. 083  1462. 3
 210. 0   2. 19   2. 18  34. 90  27. 87   23. 1  0. 085  1462. 5
 220. 0   2. 20   2. 18  34. 90  27. 88   22. 8  0. 087  1462. 6
 230. 0   2. 23   2. 22  34. 91  27. 88   22. 5  0. 090  1463. 0
 240. 0   2. 26   2. 24  34. 93  27. 89   21. 7  0. 092  1463. 3
 250. 0   2. 23   2. 21  34. 94  27. 90   20. 8  0. 094  1463. 3
 260. 0   2. 23   2. 22  34. 94  27. 90   20. 8  0. 096  1463. 5
 270. 0   2. 22   2. 21  34. 94  27. 90   20. 6  0. 098  1463. 6
 280. 0   2. 21   2. 19  34. 95  27. 91   20. 0  0. 100  1463. 7
 290. 0   2. 19   2. 18  34. 95  27. 92   19. 7  0. 102  1463. 8
 300. 0   2. 15   2. 14  34. 95  27. 92   19. 4  0. 104  1463. 8

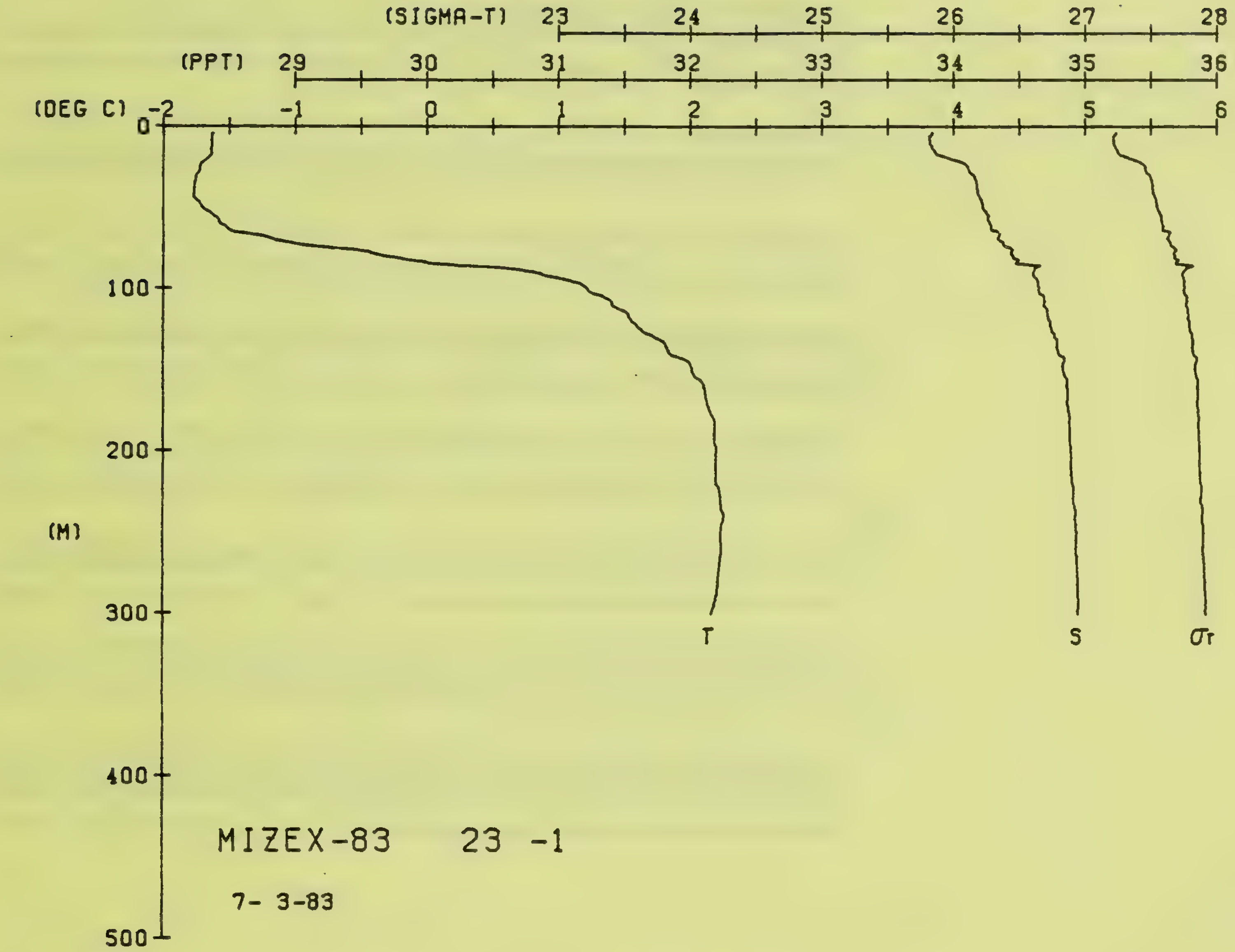
                         DEPTH      TEMP.       SALIN
```

```
MIZEX-83 STATION  24(1) CTD   3/JUL/1983  749 GMT  CODE = 1
LAT = 81. 1000N LNG =   -8. 9200W LTER =    150.  LGER =    150.
AIR TEMP =     0. 0 BAROM =      0. 0 WIND =    0. 0 SPEED =    0. 0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0  -1. 66  -1. 66  33. 93  27. 30   75. 9  0. 000  1440. 1
   1. 9  -1. 66  -1. 66  33. 93  27. 30   75. 9  0. 002  1440. 1
   5. 0  -1. 66  -1. 66  33. 92  27. 30   76. 1  0. 004  1440. 1
  10. 0  -1. 67  -1. 67  33. 98  27. 35   71. 4  0. 008  1440. 3
  15. 0  -1. 69  -1. 69  34. 10  27. 45   62. 2  0. 011  1440. 4
  20. 0  -1. 72  -1. 72  34. 16  27. 49   57. 8  0. 014  1440. 5
  25. 0  -1. 76  -1. 76  34. 20  27. 53   54. 1  0. 017  1440. 4
  30. 0  -1. 77  -1. 77  34. 22  27. 55   52. 8  0. 019  1440. 5
  35. 0  -1. 78  -1. 78  34. 24  27. 56   51. 5  0. 022  1440. 5
  40. 0  -1. 76  -1. 76  34. 25  27. 57   50. 3  0. 025  1440. 7
  45. 0  -1. 74  -1. 74  34. 27  27. 59   49. 0  0. 027  1440. 9
  50. 0  -1. 68  -1. 68  34. 31  27. 62   46. 0  0. 030  1441. 4
  55. 0  -1. 52  -1. 53  34. 37  27. 66   41. 6  0. 032  1442. 3
  60. 0  -1. 34  -1. 35  34. 40  27. 68   40. 0  0. 034  1443. 2
  65. 0  -1. 24  -1. 24  34. 45  27. 72   36. 5  0. 036  1443. 9
  70. 0  -0. 71  -0. 71  34. 49  27. 73   35. 4  0. 038  1446. 5
  75. 0  -0. 52  -0. 52  34. 50  27. 73   35. 9  0. 039  1447. 4
  80. 0  -0. 18  -0. 18  34. 50  27. 71   37. 2  0. 041  1449. 1
  85. 0   0. 19   0. 18  34. 56  27. 74   34. 3  0. 043  1451. 0
  90. 0   0. 47   0. 47  34. 60  27. 76   32. 8  0. 045  1452. 4
  95. 0   0. 75   0. 75  34. 63  27. 76   32. 5  0. 046  1453. 8
 100. 0   0. 78   0. 78  34. 64  27. 77   31. 9  0. 048  1454. 0
 110. 0   0. 95   0. 94  34. 67  27. 78   30. 9  0. 051  1455. 0
 120. 0   1. 02   1. 01  34. 69  27. 80   29. 7  0. 054  1455. 5
 130. 0   1. 15   1. 15  34. 72  27. 81   28. 2  0. 057  1456. 3
 140. 0   1. 36   1. 35  34. 77  27. 84   26. 0  0. 060  1457. 4
 150. 0   1. 62   1. 61  34. 80  27. 84   25. 4  0. 063  1458. 8
 160. 0   1. 59   1. 58  34. 79  27. 84   26. 2  0. 065  1458. 8
 170. 0   1. 67   1. 66  34. 82  27. 85   24. 7  0. 068  1459. 4
 180. 0   1. 67   1. 66  34. 84  27. 87   23. 4  0. 070  1459. 6
 190. 0   1. 71   1. 70  34. 84  27. 87   23. 6  0. 073  1459. 9
 200. 0   1. 90   1. 89  34. 88  27. 88   22. 1  0. 075  1461. 0
 210. 0   1. 77   1. 76  34. 86  27. 88   22. 6  0. 077  1460. 6
 220. 0   1. 72   1. 71  34. 86  27. 88   22. 2  0. 079  1460. 5
 230. 0   1. 75   1. 73  34. 87  27. 89   21. 9  0. 082  1460. 8
 240. 0   1. 79   1. 78  34. 88  27. 89   21. 5  0. 084  1461. 2
 250. 0   1. 82   1. 80  34. 88  27. 89   21. 3  0. 086  1461. 4
 260. 0   1. 90   1. 89  34. 90  27. 90   21. 0  0. 088  1462. 0
 270. 0   1. 90   1. 89  34. 92  27. 91   19. 7  0. 090  1462. 2
 280. 0   1. 87   1. 85  34. 91  27. 91   20. 2  0. 092  1462. 2
 290. 0   1. 85   1. 83  34. 91  27. 91   19. 9  0. 094  1462. 3
 300. 0   1. 83   1. 82  34. 92  27. 92   18. 9  0. 096  1462. 4

                         DEPTH      TEMP.       SALIN
```


MIZEX-83 23 -1

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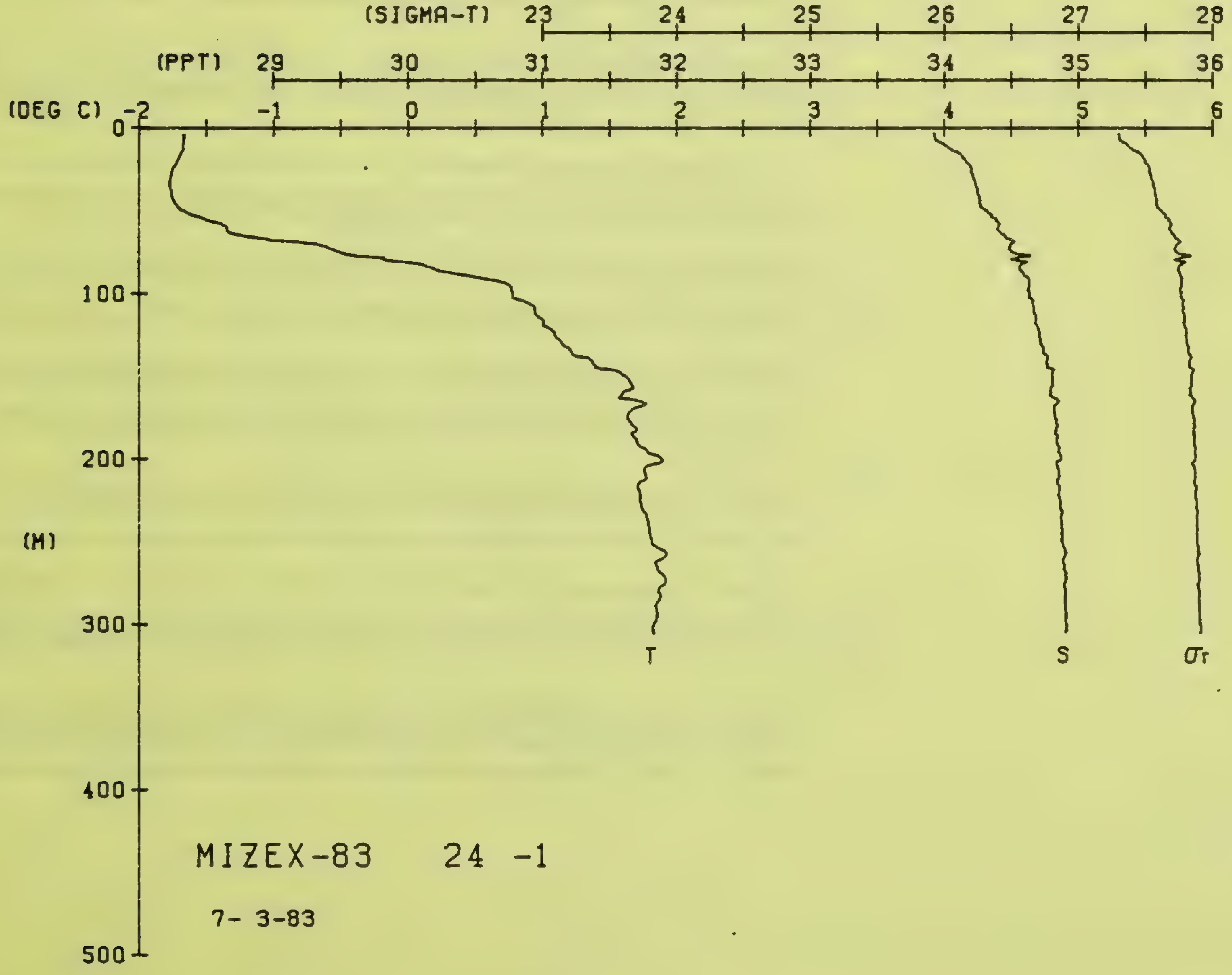
MIZEX-83 24 -1

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```
MIZEX-83 STATION  25(1) CTD   5/JUL/1983 1253 GMT  CODE = 1
LAT = 81.3600N LNG =  -6.6200W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

    0.0  -1.50   -1.50   33.49   26.95   110.0   *****   1440.2
    5.0  -1.50   -1.50   33.49   26.95   109.9   *****   1440.3
    0.0  -1.50   -1.50   33.49   26.95   110.0   *****   1440.2
   10.0
   13.9  -1.50   -1.50   33.49   26.95   109.9   *****   1440.5
   15.0  -1.50   -1.50   33.51   26.97   108.0   *****   1440.5
   20.0  -1.52   -1.52   33.66   27.08    96.8   *****   1440.7
   25.0  -1.57   -1.57   33.84   27.23    82.6   *****   1440.8
   30.0  -1.58   -1.58   34.02   27.38    68.8   *****   1441.1
   35.0  -1.64   -1.64   34.10   27.45    62.1   *****   1441.0
   40.0  -1.68   -1.68   34.15   27.48    58.7   *****   1441.0
   45.0  -1.57   -1.57   34.29   27.59    48.2   *****   1441.8
   50.0  -1.19   -1.19   34.32   27.61    47.0   *****   1443.7
   55.0  -1.26   -1.26   34.41   27.68    39.9   *****   1443.5
   60.0  -0.80   -0.80   34.45   27.70    38.5   *****   1445.8
   65.0   0.18    0.17   34.71   27.86    23.1   *****   1450.8
   70.0   0.93    0.93   34.69   27.80    29.3   *****   1454.2
   75.0   1.13    1.12   34.70   27.79    29.9   *****   1455.2
   80.0   1.59    1.58   34.75   27.80    29.1   *****   1457.4
   85.0   1.60    1.59   34.71   27.77    31.9   *****   1457.5
   90.0   1.68    1.68   34.74   27.79    30.6   *****   1458.0
   95.0   1.68    1.68   34.75   27.80    29.7   *****   1458.1
  100.0   1.71    1.71   34.76   27.80    29.5   *****   1458.3
  110.0   1.72    1.72   34.77   27.81    28.7   *****   1458.6
  120.0   1.90    1.89   34.82   27.83    26.4   *****   1459.6
  130.0   2.02    2.01   34.82   27.83    26.8   *****   1460.2
  140.0   2.12    2.12   34.84   27.84    26.4   *****   1460.9
  150.0   2.23    2.22   34.85   27.83    26.7   *****   1461.5
  160.0   2.28    2.27   34.88   27.85    25.0   *****   1462.0
  170.0   2.27    2.26   34.88   27.85    25.0   *****   1462.1
  180.0   2.28    2.27   34.89   27.86    24.5   *****   1462.3
  190.0   2.28    2.27   34.90   27.87    23.3   *****   1462.5
  200.0   2.28    2.27   34.91   27.87    23.2   *****   1462.7
  210.0   2.29    2.28   34.91   27.87    23.2   *****   1462.9
  220.0   2.28    2.26   34.91   27.88    22.7   *****   1463.0
  230.0   2.26    2.25   34.92   27.88    22.3   *****   1463.1
  240.0   2.24    2.22   34.92   27.89    21.9   *****   1463.2
  250.0   2.18    2.17   34.92   27.89    21.9   *****   1463.1
  260.0   2.15    2.13   34.92   27.89    21.6   *****   1463.1
  270.0   2.11    2.10   34.92   27.90    21.4   *****   1463.1
  280.0   2.07    2.06   34.92   27.90    21.0   *****   1463.1
  290.0   2.05    2.03   34.92   27.91    20.5   *****   1463.2
  300.0   2.04    2.02   34.93   27.91    20.2   *****   1463.3
  307.9   2.03    2.02   34.94   27.92    19.1   *****   1463.4

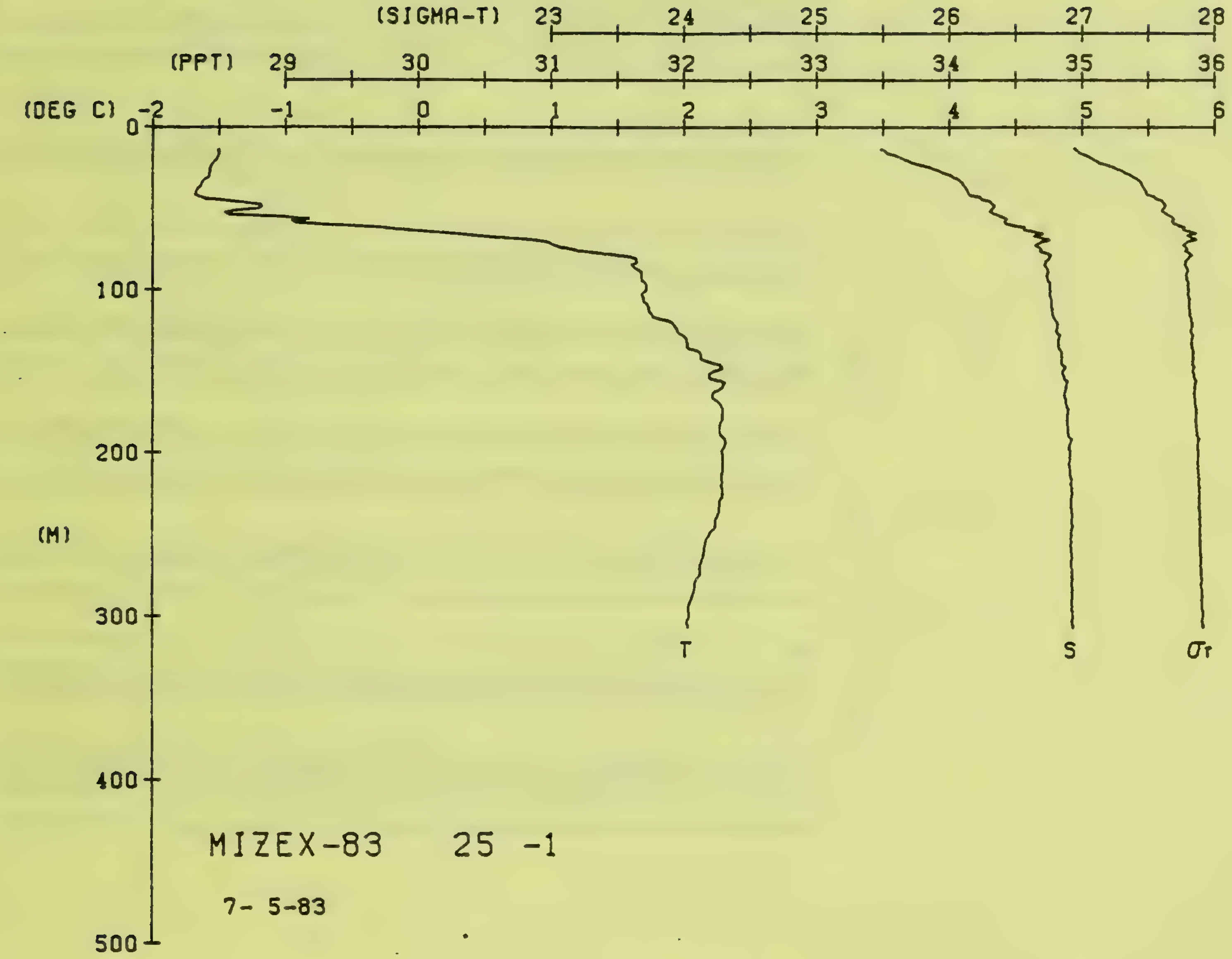
                         DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  26(1) CTD   5/JUL/1983 1336 GMT  CODE = 1
LAT = 81.3200N LNG =  -6.7900W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.57   -1.57   33.48   26.94   110.8   0.000   1439.9
   1.9  -1.57   -1.57   33.48   26.94   110.8   0.002   1439.9
   5.0  -1.58   -1.58   33.56   27.01   104.2   0.006   1440.0
  10.0  -1.59   -1.59   33.56   27.00   104.4   0.011   1440.1
  15.0  -1.57   -1.57   33.78   27.18    87.2   0.016   1440.6
  20.0  -1.62   -1.62   34.00   27.36    70.2   0.020   1440.7
  25.0  -1.67   -1.67   34.15   27.48    58.9   0.023   1440.8
  30.0  -1.69   -1.69   34.15   27.49    58.3   0.026   1440.8
  35.0  -1.71   -1.71   34.18   27.51    56.1   0.029   1440.8
  40.0  -1.39   -1.39   34.29   27.59    48.9   0.031   1442.5
  45.0  -0.62   -0.62   34.50   27.73    35.0   0.033   1446.5
  50.0  -0.30   -0.30   34.47   27.69    39.1   0.035   1448.0
  55.0   0.07    0.07   34.47   27.67    41.1   0.037   1449.8
  60.0  -0.48   -0.48   34.42   27.66    42.0   0.039   1447.3
  65.0  -0.10   -0.10   34.64   27.82    27.3   0.041   1449.4
  70.0   0.56    0.56   34.63   27.77    31.6   0.043   1452.5
  75.0   0.79    0.79   34.66   27.79    30.5   0.044   1453.7
  80.0   1.20    1.20   34.71   27.80    29.1   0.046   1455.7
  85.0   1.45    1.45   34.75   27.81    27.9   0.047   1456.9
  90.0   1.61    1.60   34.76   27.81    28.6   0.049   1457.7
  95.0   1.72    1.71   34.81   27.85    25.1   0.050   1458.3
 100.0   1.92    1.92   34.84   27.85    24.9   0.051   1459.4
 110.0   2.16    2.15   34.85   27.84    25.8   0.054   1460.6
 120.0   2.27    2.26   34.88   27.85    24.9   0.056   1461.3
 130.0   2.14    2.13   34.87   27.86    24.3   0.059   1460.9
 140.0   2.24    2.23   34.90   27.87    22.8   0.061   1461.5
 150.0   2.34    2.33   34.92   27.88    22.6   0.064   1462.1
 160.0   2.28    2.27   34.90   27.87    23.5   0.066   1462.0
 170.0   2.46    2.45   34.94   27.88    22.2   0.068   1463.0
 180.0   2.46    2.45   34.95   27.89    21.2   0.070   1463.2
 190.0   2.39    2.38   34.93   27.89    22.0   0.073   1463.0
 200.0   2.32    2.31   34.93   27.89    21.4   0.075   1462.9
 210.0   2.21    2.20   34.93   27.90    21.0   0.077   1462.6
 220.0   2.20    2.19   34.94   27.91    20.1   0.079   1462.7
 230.0   2.20    2.19   34.94   27.90    20.4   0.081   1462.9
 240.0   2.15    2.14   34.94   27.91    19.8   0.083   1462.8
 250.0   2.14    2.13   34.95   27.92    19.1   0.085   1463.0
 260.0   2.10    2.08   34.94   27.91    19.6   0.087   1462.9
 270.0   2.09    2.08   34.95   27.92    19.0   0.089   1463.1
 280.0   2.09    2.07   34.94   27.92    19.2   0.091   1463.2
 290.0   2.05    2.03   34.94   27.92    18.9   0.093   1463.2
 300.0   2.04    2.02   34.95   27.93    18.4   0.095   1463.3
 303.2   2.04    2.02   34.95   27.93    18.6   0.095   1463.4

                        DEPTH       TEMP.       SALIN
```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(DEG C)
-2
-1
0
1
2
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(M)
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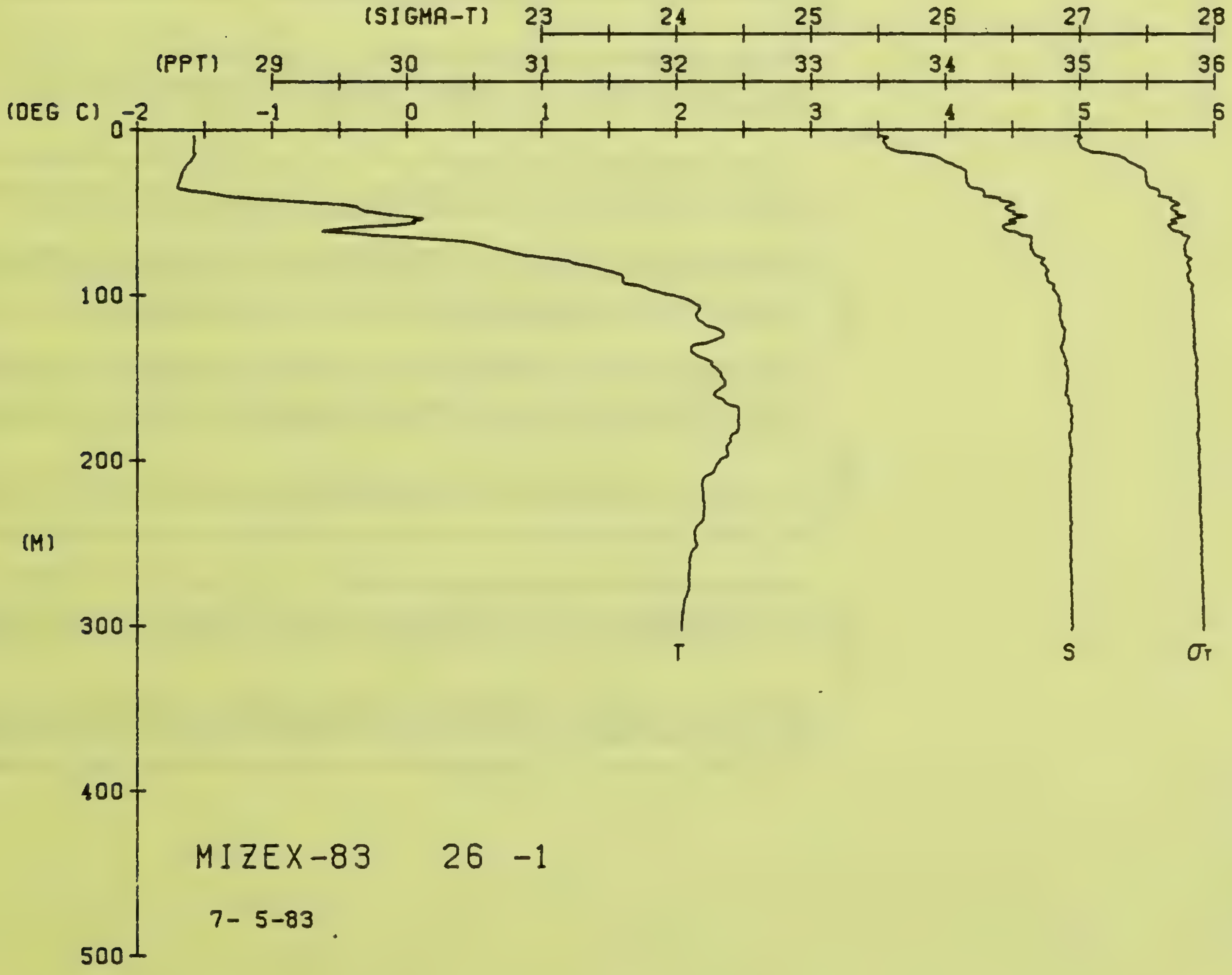
MIZEX-83 25 -1
7- 5-83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-1
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MIZEX-83 26 -1
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```
MIZEX-83 STATION  27(1) CTD    5/JUL/1983 1351 GMT   CODE = 1
LAT = 81.2877N LNG =   -6.9795W LTER =      30.  LGER =     30.
AIR TEMP =    0.0 BAROM =       0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.57   -1.57   33.41   26.88   116.2   0.000   1439.8
   4.7   -1.57   -1.57   33.41   26.88   116.1   0.006   1439.9
   5.0   -1.57   -1.57   33.41   26.88   116.0   0.006   1439.9
  10.0   -1.57   -1.57   33.44   26.90   113.8   0.012   1440.0
  15.0   -1.58   -1.58   33.73   27.14    91.2   0.017   1440.4
  20.0   -1.58   -1.58   33.86   27.25    81.1   0.021   1440.7
  25.0   -1.57   -1.57   33.98   27.35    71.6   0.025   1441.0
  30.0   -1.61   -1.61   34.10   27.45    62.4   0.029   1441.1
  35.0   -1.55   -1.55   34.25   27.57    51.0   0.031   1441.6
  40.0   -1.40   -1.41   34.36   27.65    43.2   0.034   1442.6
  45.0   -0.92   -0.92   34.41   27.67    41.2   0.036   1445.0
  50.0   -1.23   -1.23   34.44   27.71    37.5   0.038   1443.6
  55.0   -0.92   -0.92   34.51   27.75    33.2   0.040   1445.3
  60.0   -0.03   -0.03   34.62   27.80    28.8   0.041   1449.6
  65.0    0.31    0.31   34.64   27.80    28.8   0.043   1451.3
  70.0    1.03    1.03   34.70   27.80    29.1   0.044   1454.7
  75.0    1.18    1.18   34.71   27.80    28.9   0.046   1455.5
  80.0    1.34    1.34   34.75   27.82    27.3   0.047   1456.3
  85.0    1.61    1.61   34.76   27.81    28.2   0.048   1457.6
  90.0    1.68    1.67   34.79   27.83    26.7   0.050   1458.0
  95.0    1.78    1.78   34.81   27.84    25.6   0.051   1458.6
 100.0    1.83    1.82   34.81   27.84    26.0   0.052   1458.9
 110.0    2.17    2.17   34.87   27.86    24.3   0.055   1460.7
 120.0    2.29    2.28   34.88   27.85    25.1   0.057   1461.3
 130.0    2.22    2.21   34.86   27.84    25.5   0.060   1461.2
 140.0    2.36    2.35   34.91   27.87    22.9   0.062   1462.0
 150.0    2.22    2.21   34.89   27.87    23.5   0.065   1461.6
 160.0    2.23    2.22   34.90   27.87    23.3   0.067   1461.8
 170.0    2.25    2.24   34.91   27.88    22.5   0.069   1462.1
 180.0    2.30    2.29   34.93   27.89    21.1   0.072   1462.5
 190.0    2.27    2.26   34.93   27.90    20.9   0.074   1462.5
 200.0    2.22    2.21   34.94   27.90    20.3   0.076   1462.4
 210.0    2.16    2.15   34.94   27.91    20.0   0.078   1462.4
 220.0    2.11    2.10   34.94   27.92    19.2   0.080   1462.3
 230.0    2.10    2.09   34.94   27.92    19.1   0.082   1462.4
 240.0    2.11    2.10   34.94   27.92    19.3   0.084   1462.6
 250.0    2.08    2.07   34.95   27.93    18.5   0.086   1462.7
 260.0    2.07    2.05   34.95   27.93    18.2   0.088   1462.8
 270.0    2.04    2.02   34.96   27.93    17.8   0.089   1462.8
 280.0    2.02    2.00   34.96   27.94    17.4   0.091   1462.9
 290.0    1.98    1.97   34.96   27.94    17.4   0.093   1462.9
 300.0    1.95    1.93   34.95   27.94    17.3   0.095   1462.9

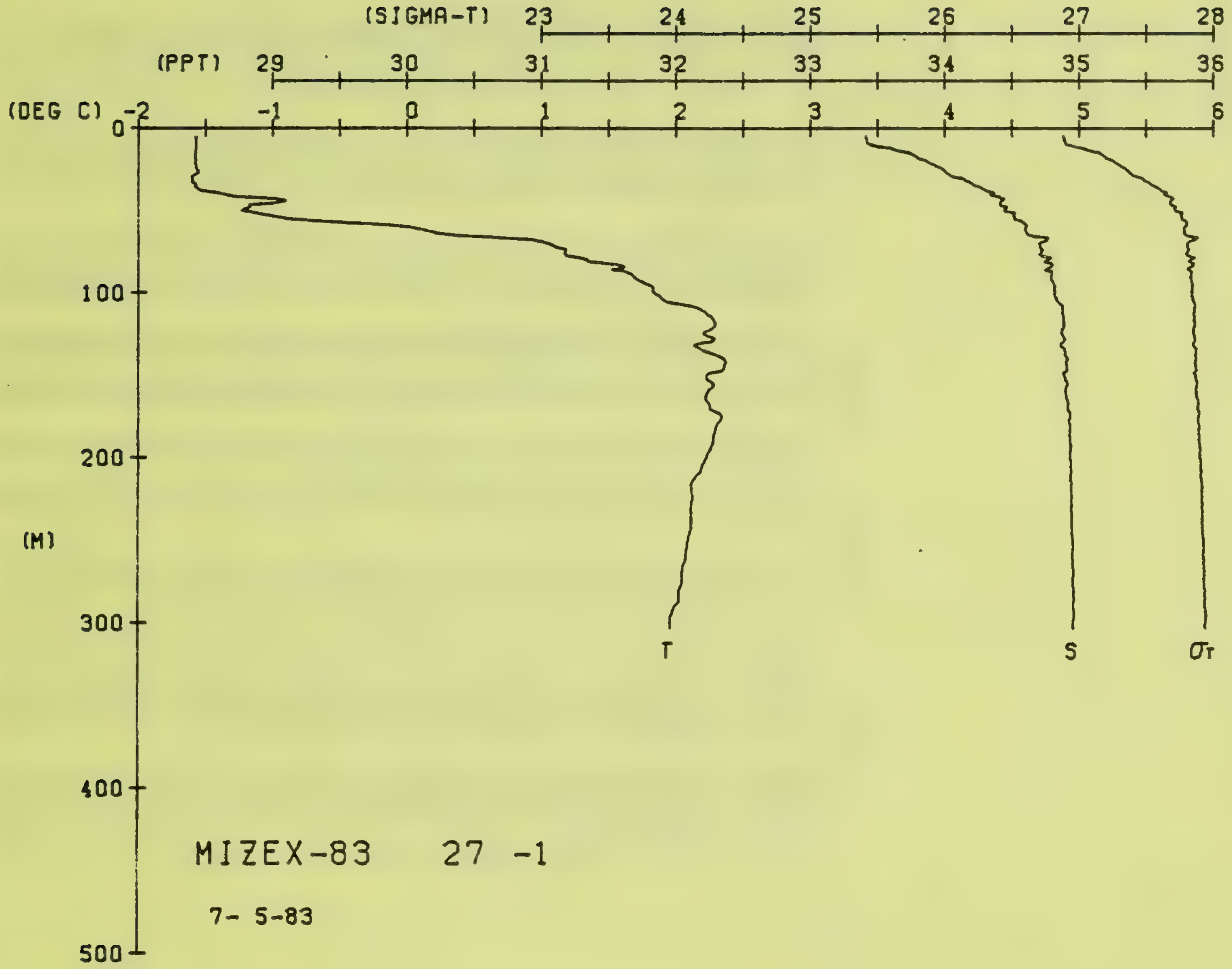
                         DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION   28(1) CTD    5/JUL/1983 1440 GMT   CODE = 1
LAT = 81.2500N LNG =   -6.8300W LTER =     150.  LGER =    150.
AIR TEMP =    0.0 BAROM =       0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.57   -1.57   33.16   26.68   135.5   0.000   1439.4
   1.9   -1.57   -1.57   33.16   26.68   135.5   0.003   1439.5
   5.0   -1.56   -1.56   33.14   26.66   136.6   0.007   1439.5
  10.0   -1.54   -1.54   33.19   26.70   133.1   0.014   1439.7
  15.0   -1.48   -1.49   33.60   27.04   101.2   0.020   1440.7
  20.0   -1.51   -1.51   33.82   27.21    84.6   0.024   1441.0
  25.0   -1.47   -1.47   34.15   27.48    59.0   0.028   1441.7
  30.0   -1.34   -1.34   34.22   27.53    54.4   0.031   1442.5
  35.0   -1.58   -1.58   34.30   27.60    47.3   0.033   1441.6
  40.0   -1.41   -1.41   34.34   27.63    44.8   0.036   1442.5
  45.0   -1.44   -1.44   34.38   27.67    41.4   0.038   1442.5
  50.0   -1.05   -1.05   34.46   27.71    37.0   0.040   1444.5
  55.0   -0.97   -0.97   34.50   27.75    33.5   0.042   1445.1
  60.0   -0.40   -0.40   34.56   27.77    32.0   0.043   1447.9
  65.0    0.13    0.13   34.59   27.77    32.0   0.045   1450.4
  70.0    0.24    0.24   34.62   27.78    30.7   0.047   1451.0
  75.0    0.74    0.73   34.67   27.80    29.6   0.048   1453.4
  80.0    1.38    1.38   34.73   27.80    29.3   0.050   1456.5
  85.0    1.44    1.44   34.74   27.80    29.0   0.051   1456.8
  90.0    1.53    1.53   34.75   27.80    28.9   0.052   1457.3
  95.0    1.68    1.68   34.77   27.81    28.4   0.054   1458.1
 100.0    1.73    1.73   34.77   27.81    28.6   0.055   1458.4
 110.0    1.87    1.86   34.80   27.82    27.4   0.058   1459.2
 120.0    1.97    1.97   34.83   27.84    25.8   0.061   1459.9
 130.0    2.05    2.04   34.85   27.85    25.1   0.063   1460.4
 140.0    2.08    2.08   34.86   27.85    24.6   0.066   1460.8
 150.0    2.16    2.15   34.88   27.86    23.9   0.068   1461.3
 160.0    2.17    2.16   34.89   27.87    23.4   0.071   1461.5
 170.0    2.23    2.22   34.91   27.88    22.2   0.073   1461.9
 180.0    2.23    2.22   34.92   27.89    21.6   0.075   1462.1
 190.0    2.22    2.21   34.93   27.90    20.9   0.077   1462.3
 200.0    2.20    2.19   34.93   27.90    20.8   0.080   1462.3
 210.0    2.20    2.19   34.94   27.91    20.0   0.082   1462.6
 220.0    2.17    2.15   34.94   27.91    19.9   0.084   1462.5
 230.0    2.11    2.09   34.94   27.92    19.1   0.086   1462.5
 240.0    2.10    2.09   34.94   27.92    19.2   0.088   1462.6
 250.0    2.09    2.07   34.95   27.92    18.5   0.089   1462.7
 260.0    2.07    2.05   34.95   27.92    18.6   0.091   1462.8
 270.0    2.07    2.05   34.95   27.93    18.1   0.093   1463.0
 280.0    2.05    2.03   34.96   27.93    17.8   0.095   1463.0
 290.0    2.03    2.01   34.96   27.93    17.7   0.097   1463.1
 300.0    1.96    1.95   34.96   27.94    16.8   0.099   1463.0
 306.4    1.97    1.95   34.96   27.94    16.8   0.100   1463.1

                         DEPTH        TEMP.        SALIN
```



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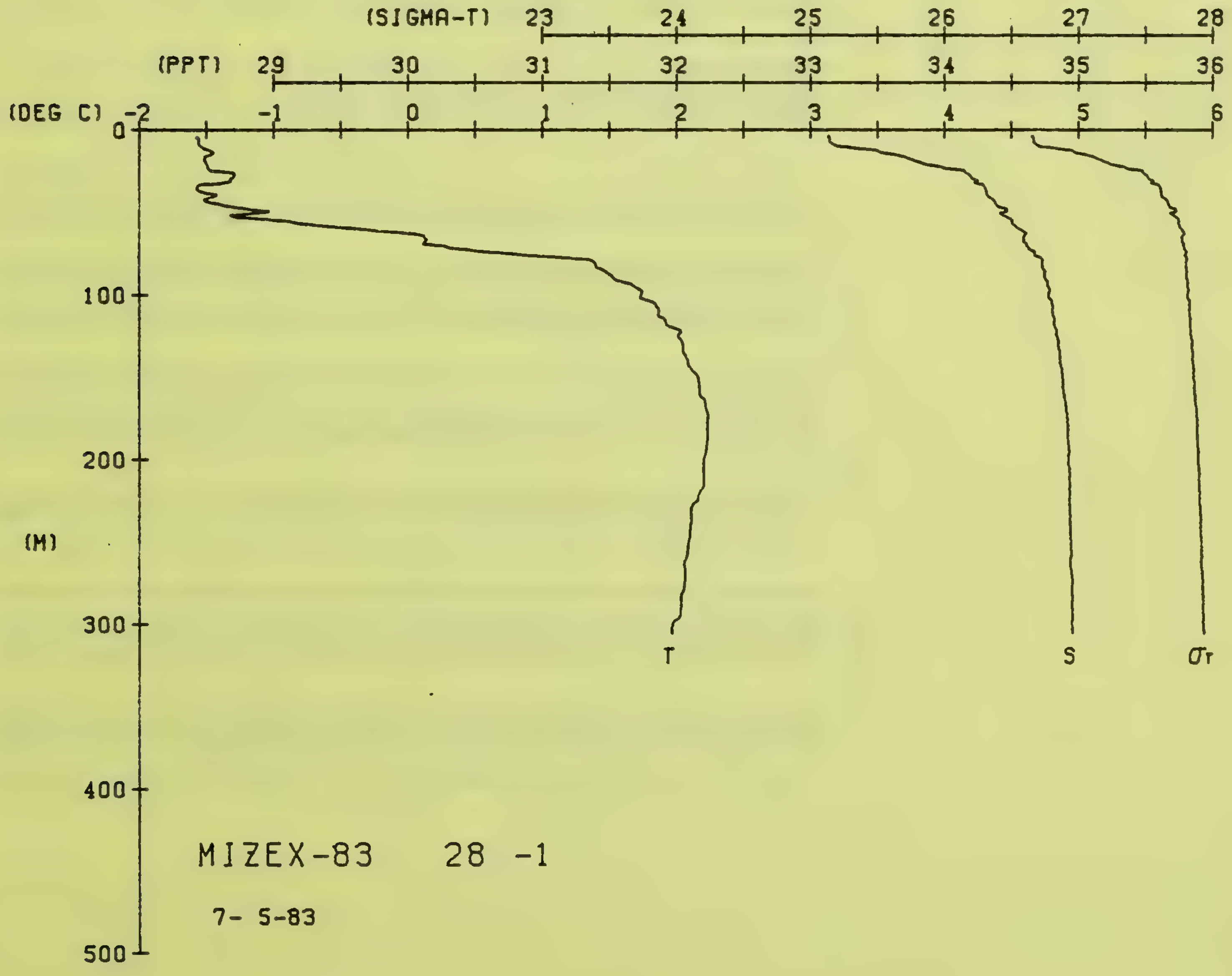

MIZEX-83 28 -1

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MIZEX-83 STATION  29(1) CTD   5/JUL/1983 1520 GMT  CODE = 1
LAT = 81.2200N LNG =  -6.6200W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.34   -1.34   32.80   26.38   163.4   0.000   1440.0
   1.9   -1.34   -1.34   32.80   26.38   163.3   0.003   1440.0
   5.0   -1.31   -1.31   32.82   26.39   162.2   0.008   1440.3
  10.0   -1.34   -1.34   32.92   26.48   154.2   0.016   1440.3
  15.0   -0.90   -0.90   33.61   27.02   102.7   0.023   1443.4
  20.0   -0.34   -0.34   33.86   27.20    85.5   0.028   1446.5
  25.0    0.06    0.06   34.18   27.44    62.6   0.031   1448.9
  30.0   -0.36   -0.36   34.33   27.58    49.5   0.034   1447.2
  35.0   -1.40   -1.40   34.31   27.61    46.6   0.037   1442.4
  40.0   -0.83   -0.84   34.47   27.72    36.4   0.039   1445.4
  45.0   -1.05   -1.05   34.41   27.67    40.8   0.041   1444.4
  50.0   -1.28   -1.28   34.48   27.74    34.4   0.042   1443.5
  55.0   -0.85   -0.85   34.49   27.74    34.8   0.044   1445.6
  60.0   -0.82   -0.82   34.50   27.74    34.3   0.046   1445.8
  65.0   -0.67   -0.67   34.54   27.77    31.7   0.048   1446.7
  70.0   -0.34   -0.34   34.59   27.79    29.4   0.049   1448.3
  75.0   -0.14   -0.14   34.60   27.79    29.6   0.051   1449.3
  80.0    0.82    0.82   34.70   27.81    27.8   0.052   1453.9
  85.0    1.09    1.09   34.73   27.82    26.9   0.054   1455.3
  90.0    1.24    1.24   34.73   27.81    28.2   0.055   1456.0
  95.0    1.29    1.29   34.73   27.81    28.8   0.056   1456.3
 100.0    1.30    1.30   34.73   27.81    28.4   0.058   1456.5
 110.0    1.56    1.55   34.80   27.85    24.9   0.060   1457.9
 120.0    1.96    1.96   34.84   27.85    25.0   0.063   1459.9
 130.0    2.10    2.09   34.86   27.85    25.0   0.066   1460.6
 140.0    2.12    2.11   34.88   27.86    23.7   0.068   1460.9
 150.0    2.20    2.19   34.89   27.87    23.5   0.070   1461.5
 160.0    2.20    2.19   34.89   27.87    23.4   0.073   1461.6
 170.0    2.19    2.18   34.90   27.87    22.8   0.075   1461.8
 180.0    2.20    2.19   34.92   27.89    21.5   0.077   1462.0
 190.0    2.21    2.20   34.92   27.89    21.6   0.080   1462.2
 200.0    2.18    2.17   34.92   27.89    21.3   0.082   1462.3
 210.0    2.20    2.19   34.93   27.90    20.5   0.084   1462.5
 220.0    2.19    2.18   34.93   27.90    20.6   0.086   1462.6
 230.0    2.18    2.17   34.94   27.91    19.6   0.088   1462.8
 240.0    2.16    2.15   34.94   27.91    19.5   0.090   1462.9
 250.0    2.12    2.11   34.95   27.92    19.1   0.092   1462.9
 260.0    2.08    2.07   34.94   27.92    18.9   0.094   1462.8
 270.0    2.06    2.04   34.95   27.93    18.5   0.096   1462.9
 280.0    2.06    2.04   34.96   27.93    17.8   0.097   1463.1
 290.0    2.07    2.06   34.96   27.93    18.2   0.099   1463.3
 300.0    2.00    1.98   34.95   27.93    17.9   0.101   1463.1
 306.1    1.97    1.96   34.96   27.94    17.0   0.102   1463.2

                       DEPTH       TEMP.       SALIN
```
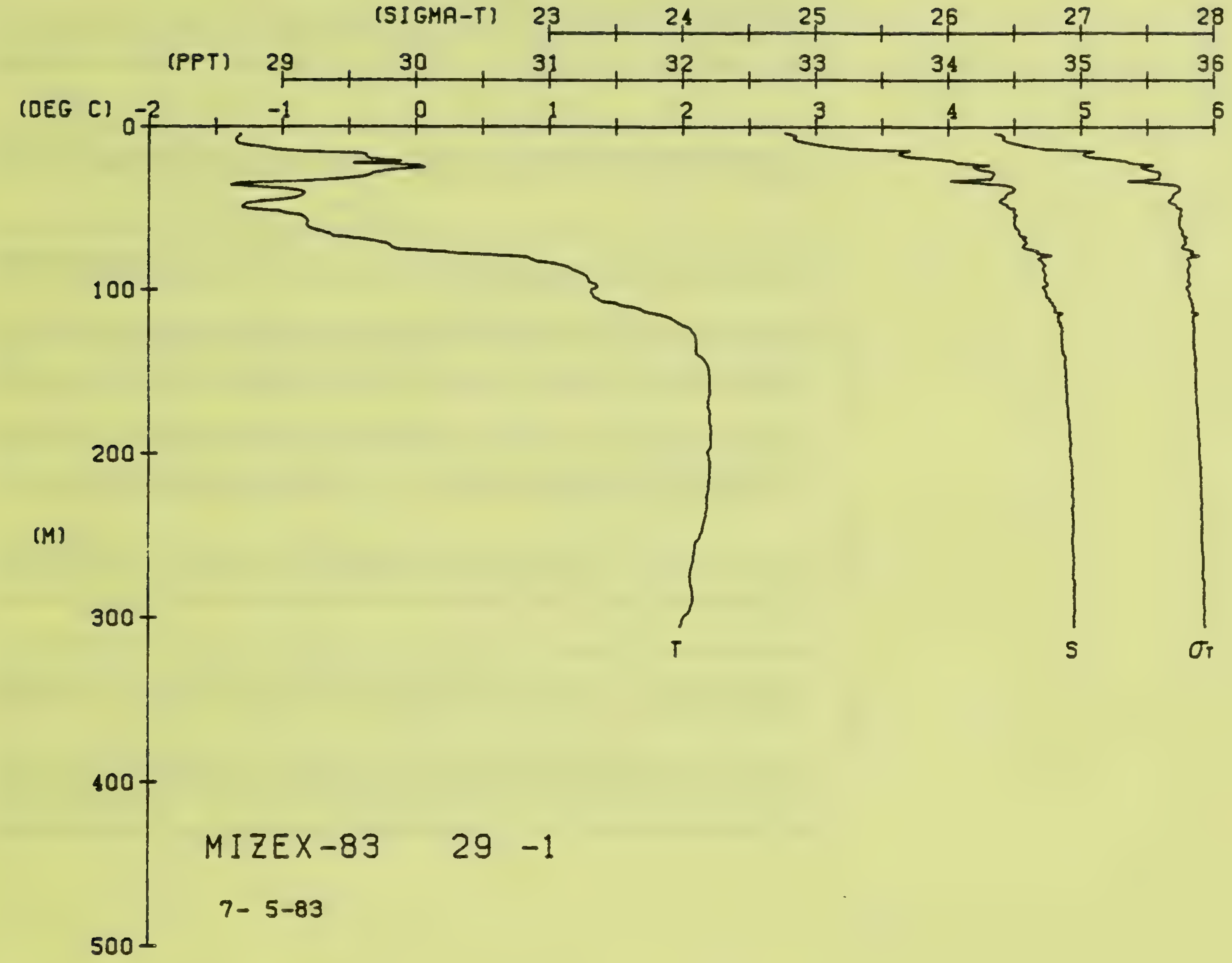

```
MIZEX-83 STATION  30(1) CTD   5/JUL/1983 1556 GMT  CODE = 1
LAT = 81.2700N LNG =  -7.2300W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.58   -1.58   33.63   27.07    98.6   0.000   1440.0
  3.9   -1.58   -1.58   33.63   27.07    98.6   0.004   1440.1
  5.0   -1.58   -1.58   33.65   27.08    97.5   0.005   1440.1
 10.0   -1.64   -1.64   33.97   27.34    72.6   0.009   1440.4
 15.0   -1.68   -1.68   34.13   27.47    60.3   0.013   1440.5
 20.0   -1.71   -1.71   34.21   27.54    53.5   0.016   1440.6
 25.0   -1.73   -1.73   34.27   27.58    49.5   0.018   1440.6
 30.0   -1.75   -1.75   34.28   27.60    48.0   0.021   1440.7
 35.0   -1.70   -1.70   34.30   27.61    47.1   0.023   1441.0
 40.0   -1.64   -1.64   34.33   27.63    44.6   0.025   1441.4
 45.0   -1.52   -1.52   34.36   27.65    42.9   0.028   1442.1
 50.0   -1.42   -1.42   34.38   27.66    41.6   0.030   1442.7
 55.0   -1.44   -1.44   34.40   27.69    39.4   0.032   1442.7
 60.0   -1.53   -1.53   34.42   27.71    37.7   0.034   1442.4
 65.0   -1.46   -1.47   34.44   27.71    36.7   0.036   1442.8
 70.0   -1.35   -1.35   34.45   27.72    36.4   0.037   1443.4
 75.0   -1.26   -1.26   34.46   27.72    35.8   0.039   1444.0
 80.0   -1.06   -1.06   34.49   27.74    34.1   0.041   1445.0
 85.0   -0.84   -0.84   34.50   27.75    33.9   0.043   1446.1
 90.0   -0.37   -0.37   34.56   27.77    31.7   0.044   1448.5
 95.0   -0.09   -0.10   34.59   27.78    31.0   0.046   1449.9
100.0    0.25    0.24   34.63   27.79    29.6   0.047   1451.6
110.0    1.08    1.07   34.70   27.80    29.3   0.050   1455.6
120.0    1.19    1.19   34.73   27.82    27.8   0.053   1456.3
130.0    1.27    1.27   34.76   27.83    26.1   0.056   1456.9
140.0    1.43    1.42   34.79   27.84    25.3   0.059   1457.8
150.0    1.54    1.53   34.81   27.86    24.3   0.061   1458.5
160.0    1.68    1.68   34.84   27.86    23.5   0.064   1459.3
170.0    1.87    1.86   34.86   27.87    23.4   0.066   1460.3
180.0    1.86    1.85   34.87   27.88    22.4   0.068   1460.4
190.0    1.81    1.80   34.87   27.88    22.4   0.071   1460.4
200.0    1.80    1.79   34.87   27.89    21.8   0.073   1460.5
210.0    1.79    1.78   34.88   27.89    21.1   0.075   1460.7
220.0    1.82    1.80   34.89   27.89    21.1   0.077   1460.9
230.0    1.86    1.84   34.90   27.90    20.4   0.079   1461.3
240.0    2.09    2.07   34.94   27.92    19.0   0.081   1462.5
250.0    2.18    2.17   34.94   27.91    19.8   0.083   1463.1
260.0    2.16    2.14   34.95   27.92    18.9   0.085   1463.2
270.0    2.11    2.10   34.95   27.92    19.1   0.087   1463.2
280.0    2.09    2.07   34.94   27.92    19.1   0.089   1463.2
290.0    2.05    2.03   34.94   27.92    18.8   0.091   1463.2
300.0    2.00    1.99   34.95   27.93    17.9   0.093   1463.2
302.7    1.97    1.96   34.95   27.93    17.9   0.093   1463.1

                      DEPTH       TEMP.       SALIN
```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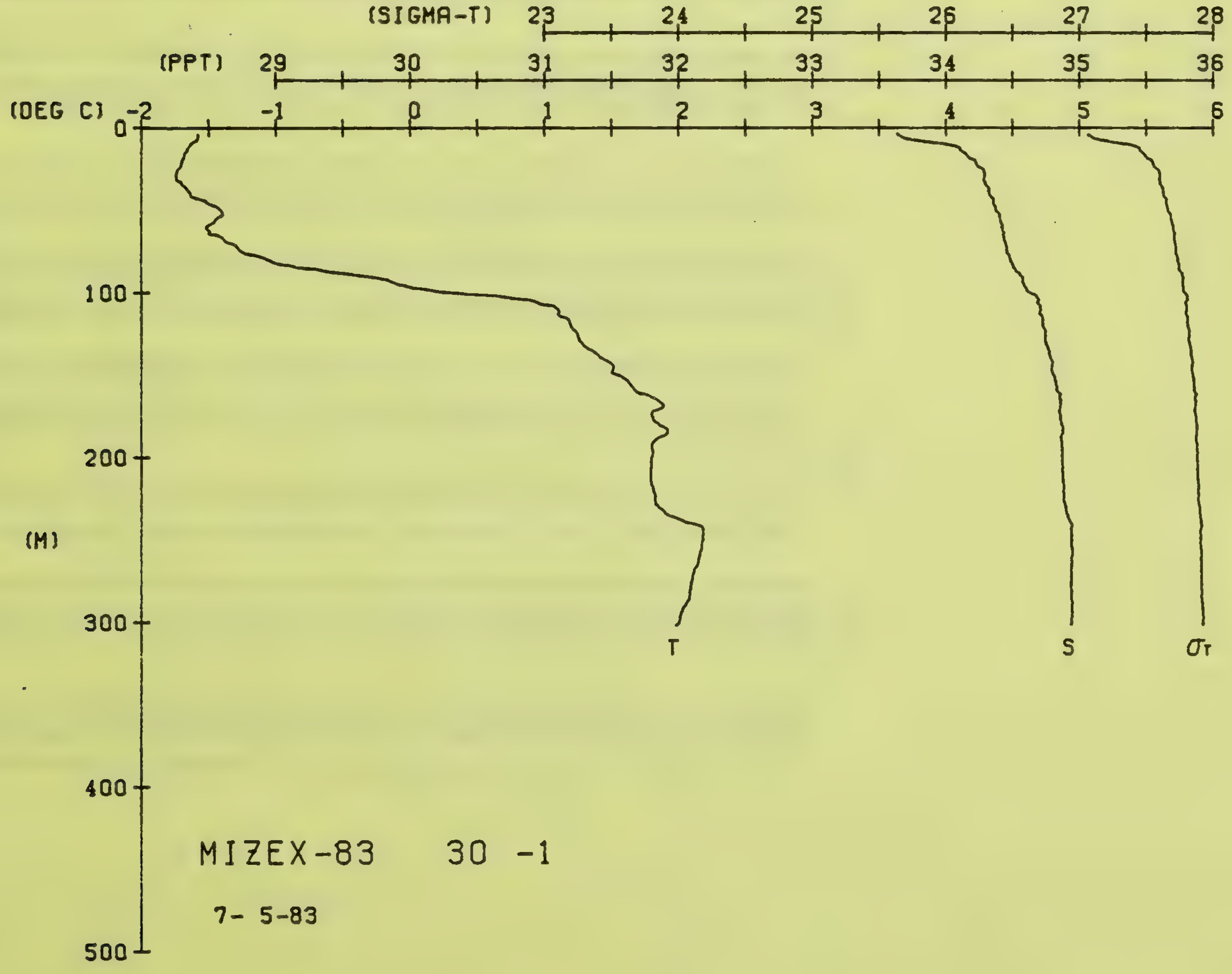
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 29 -1
7- 5-83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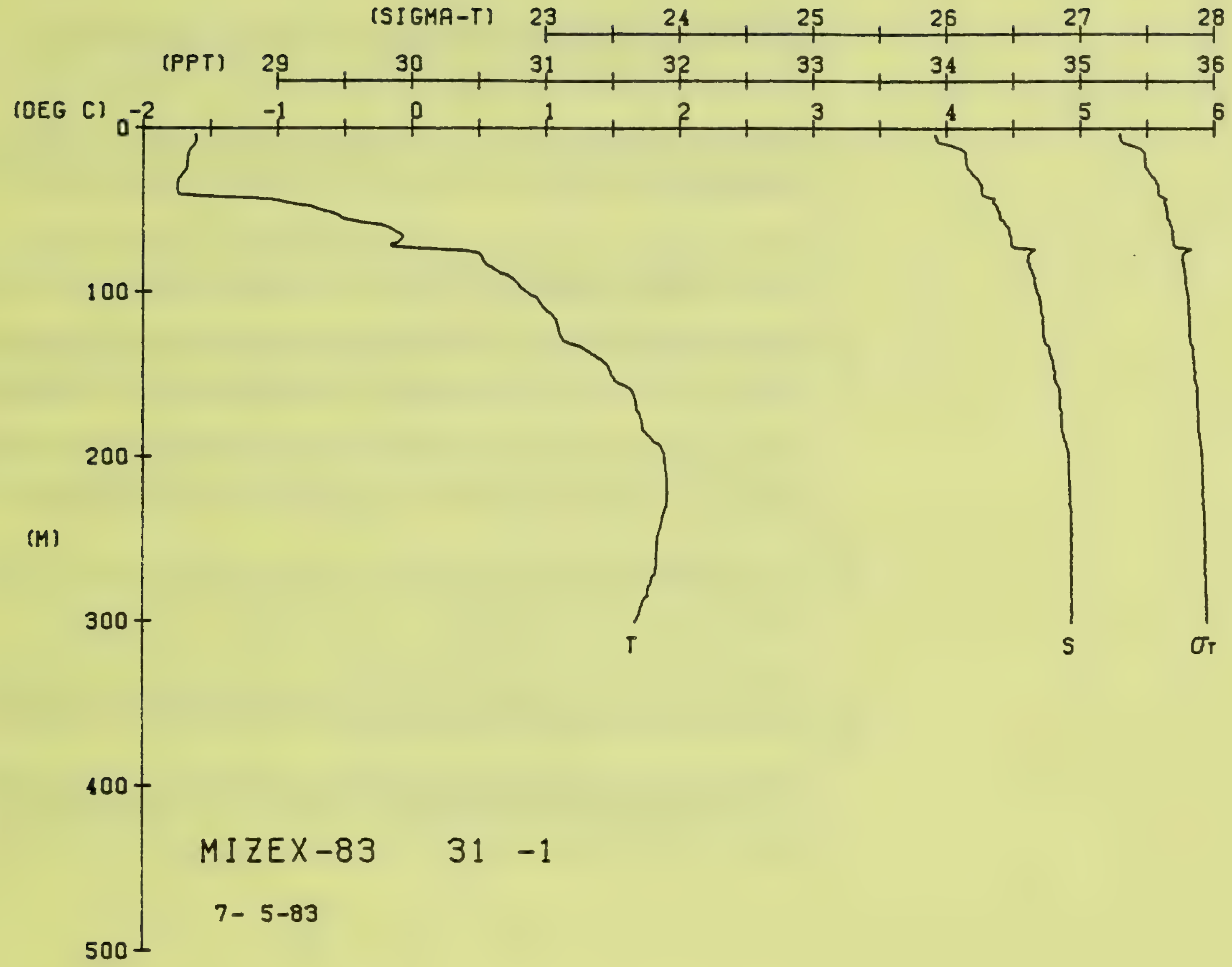
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 30 -1
7- 5-83

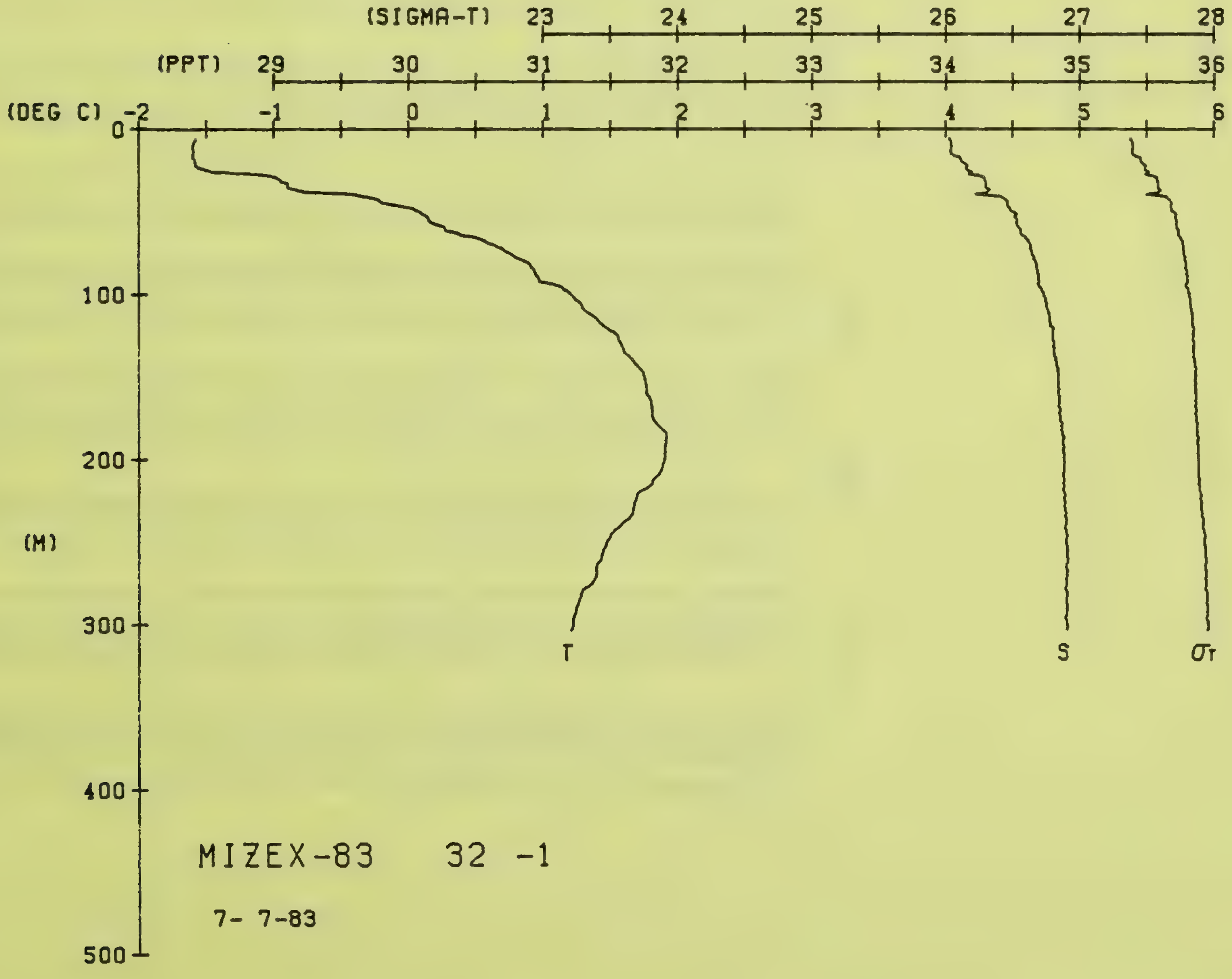
```
MIZEX-83 STATION  31(1) CTD   5/JUL/1983 1635 GMT   CODE = 1
LAT = 81.2600N LNG =  -7.5100W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.62   -1.62   33.94   27.32    74.9   0.000   1440.3
   2.0   -1.62   -1.62   33.94   27.32    74.9   0.002   1440.3
   5.0   -1.61   -1.61   33.90   27.28    78.1   0.004   1440.3
  10.0   -1.62   -1.62   33.98   27.35    71.7   0.008   1440.5
  15.0   -1.67   -1.67   34.14   27.48    59.5   0.011   1440.6
  20.0   -1.68   -1.68   34.14   27.48    59.2   0.014   1440.6
  25.0   -1.68   -1.69   34.16   27.50    57.5   0.017   1440.7
  30.0   -1.73   -1.73   34.22   27.55    52.9   0.020   1440.6
  35.0   -1.75   -1.75   34.26   27.58    49.7   0.022   1440.7
  40.0   -1.74   -1.75   34.27   27.59    48.9   0.025   1440.8
  45.0   -0.99   -0.99   34.34   27.62    45.9   0.027   1444.6
  50.0   -0.70   -0.70   34.37   27.63    44.6   0.029   1446.0
  55.0   -0.53   -0.53   34.40   27.65    43.3   0.032   1447.0
  60.0   -0.20   -0.20   34.46   27.68    39.9   0.034   1448.6
  65.0   -0.09   -0.09   34.48   27.69    39.0   0.036   1449.3
  70.0   -0.11   -0.12   34.48   27.69    39.1   0.038   1449.2
  75.0    0.36    0.36   34.64   27.80    29.3   0.039   1451.7
  80.0    0.52    0.52   34.61   27.76    33.0   0.041   1452.5
  85.0    0.58    0.58   34.62   27.77    32.1   0.043   1452.8
  90.0    0.71    0.70   34.65   27.78    30.8   0.044   1453.5
  95.0    0.78    0.78   34.66   27.78    30.7   0.046   1453.9
 100.0    0.85    0.84   34.68   27.79    29.7   0.047   1454.3
 110.0    0.99    0.98   34.71   27.81    28.2   0.050   1455.2
 120.0    1.08    1.08   34.72   27.81    28.0   0.053   1455.8
 130.0    1.13    1.12   34.73   27.82    27.5   0.056   1456.2
 140.0    1.38    1.37   34.79   27.85    24.8   0.059   1457.5
 150.0    1.48    1.48   34.81   27.86    24.3   0.061   1458.2
 160.0    1.64    1.63   34.84   27.87    22.7   0.063   1459.1
 170.0    1.67    1.66   34.85   27.87    22.8   0.066   1459.4
 180.0    1.71    1.70   34.85   27.88    22.5   0.068   1459.8
 190.0    1.79    1.78   34.88   27.89    21.3   0.070   1460.3
 200.0    1.88    1.87   34.91   27.91    19.6   0.072   1460.9
 210.0    1.90    1.89   34.91   27.91    19.8   0.074   1461.2
 220.0    1.90    1.89   34.92   27.91    19.4   0.076   1461.4
 230.0    1.89    1.88   34.92   27.92    18.7   0.078   1461.5
 240.0    1.85    1.84   34.93   27.93    17.8   0.080   1461.5
 250.0    1.82    1.81   34.93   27.93    17.7   0.082   1461.5
 260.0    1.82    1.81   34.93   27.93    17.6   0.084   1461.7
 270.0    1.81    1.80   34.93   27.93    18.0   0.085   1461.8
 280.0    1.75    1.74   34.93   27.94    17.4   0.087   1461.7
 290.0    1.71    1.69   34.93   27.94    16.9   0.089   1461.7
 300.0    1.66    1.64   34.93   27.94    16.9   0.091   1461.6
 301.9    1.66    1.64   34.94   27.95    16.3   0.091   1461.7

                          DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  32(1) CTD   7/JUL/1983 1451 GMT   CODE = 1
LAT = 81.4600N LNG =  -7.4600W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.57   -1.57   34.03   27.38    68.3   0.000   1440.6
   5.0   -1.57   -1.57   34.03   27.38    68.3   0.003   1440.7
   5.7   -1.57   -1.57   34.03   27.38    68.3   0.004   1440.7
  10.0   -1.61   -1.61   34.04   27.39    67.4   0.007   1440.6
  15.0   -1.61   -1.61   34.04   27.39    67.4   0.010   1440.7
  20.0   -1.59   -1.59   34.11   27.46    61.5   0.014   1441.0
  25.0   -1.50   -1.50   34.16   27.49    58.4   0.017   1441.6
  30.0   -0.98   -0.98   34.29   27.58    49.9   0.019   1444.3
  35.0   -0.90   -0.90   34.30   27.58    49.3   0.022   1444.8
  40.0   -0.39   -0.39   34.36   27.61    47.1   0.024   1447.3
  45.0   -0.19   -0.19   34.46   27.68    40.4   0.026   1448.4
  50.0    0.07    0.07   34.50   27.70    38.3   0.028   1449.8
  55.0    0.15    0.15   34.53   27.72    36.6   0.030   1450.2
  60.0    0.27    0.26   34.56   27.74    35.1   0.032   1450.9
  65.0    0.48    0.48   34.57   27.73    35.8   0.034   1452.0
  70.0    0.62    0.62   34.62   27.76    32.4   0.036   1452.7
  75.0    0.74    0.74   34.64   27.77    31.6   0.037   1453.4
  80.0    0.85    0.85   34.66   27.79    30.5   0.039   1454.0
  85.0    0.93    0.92   34.68   27.79    29.7   0.040   1454.5
  90.0    0.96    0.96   34.69   27.80    29.2   0.042   1454.7
  95.0    1.11    1.11   34.69   27.79    30.1   0.043   1455.5
 100.0    1.20    1.20   34.74   27.82    27.3   0.045   1456.0
 110.0    1.31    1.31   34.76   27.83    26.7   0.048   1456.7
 120.0    1.47    1.46   34.80   27.85    24.8   0.050   1457.6
 130.0    1.58    1.57   34.81   27.85    24.8   0.053   1458.3
 140.0    1.67    1.66   34.82   27.85    24.5   0.055   1458.9
 150.0    1.75    1.74   34.84   27.86    23.8   0.058   1459.4
 160.0    1.77    1.76   34.84   27.86    23.9   0.060   1459.7
 170.0    1.81    1.80   34.86   27.87    22.9   0.062   1460.0
 180.0    1.86    1.85   34.86   27.87    22.9   0.065   1460.4
 190.0    1.90    1.89   34.87   27.88    22.6   0.067   1460.8
 200.0    1.89    1.88   34.88   27.88    22.0   0.069   1460.9
 210.0    1.84    1.83   34.88   27.89    21.9   0.071   1460.9
 220.0    1.70    1.69   34.88   27.90    20.3   0.074   1460.4
 230.0    1.66    1.65   34.89   27.91    19.7   0.076   1460.4
 240.0    1.56    1.55   34.90   27.92    18.3   0.078   1460.2
 250.0    1.46    1.45   34.90   27.93    17.6   0.079   1459.9
 260.0    1.42    1.41   34.91   27.95    16.2   0.081   1459.9
 270.0    1.39    1.37   34.90   27.94    16.7   0.083   1459.9
 280.0    1.28    1.27   34.91   27.95    15.5   0.084   1459.6
 290.0    1.24    1.22   34.91   27.96    15.2   0.086   1459.6
 300.0    1.21    1.20   34.91   27.96    15.1   0.087   1459.6
 303.9    1.20    1.18   34.92   27.97    14.1   0.088   1459.6

                          DEPTH       TEMP.       SALIN
```



MIZEX-83 31 -1

7- 5-83

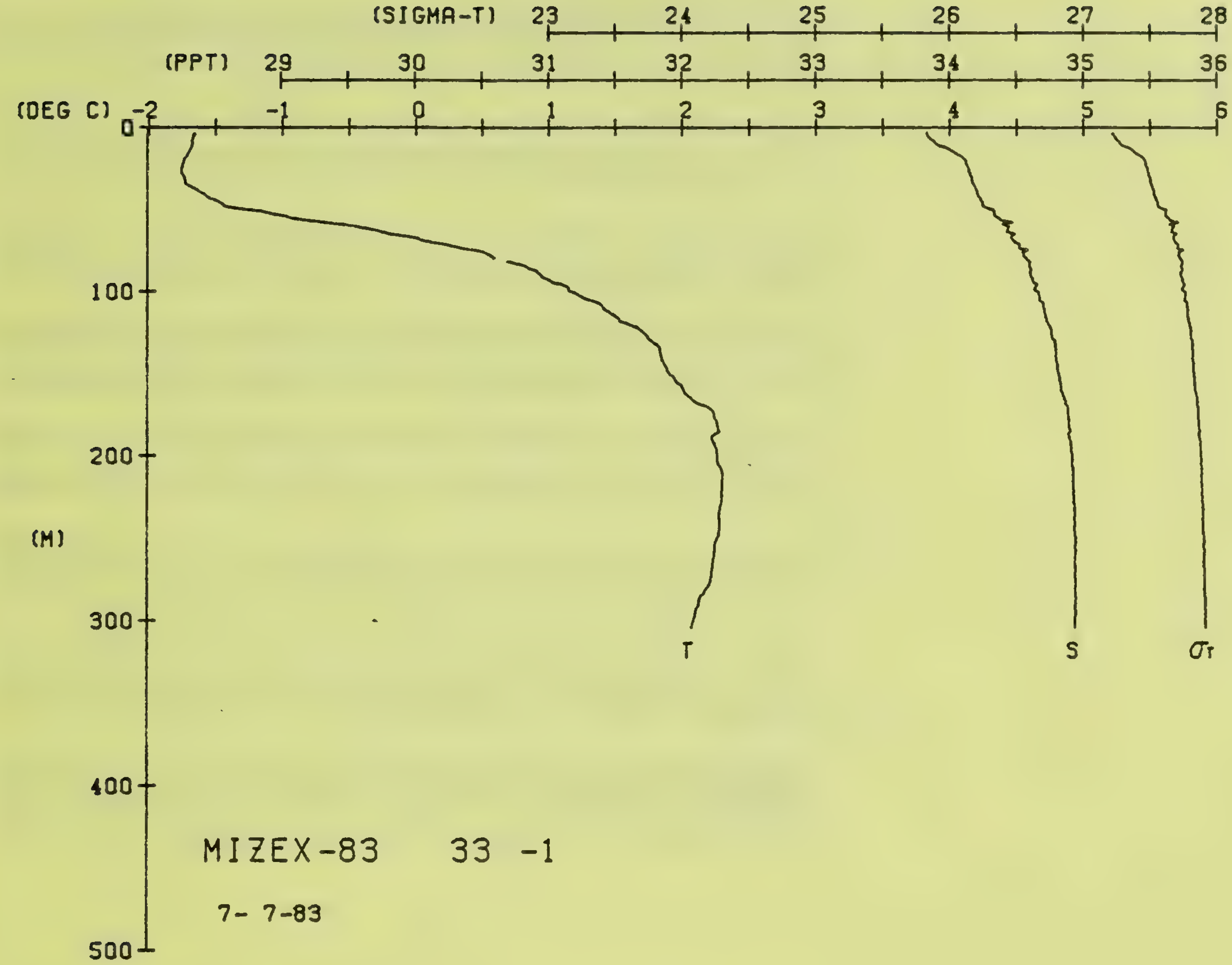


MIZEX-83 32 -1

7- 7-83

```
MIZEX-83 STATION  33(1) CTD   7/JUL/1983 1532 GMT  CODE = 1
LAT = 81.4300N LNG =  -8.9100W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.64   -1.64   33.82   27.22    84.1   0.000  1440.0
   3.7   -1.64   -1.64   33.82   27.22    84.1   0.003  1440.1
   5.0   -1.66   -1.66   33.83   27.23    83.2   0.004  1440.0
  10.0   -1.66   -1.66   33.89   27.28    78.6   0.008  1440.2
  15.0   -1.69   -1.69   34.02   27.38    68.5   0.012  1440.3
  20.0   -1.73   -1.73   34.11   27.46    61.2   0.015  1440.3
  25.0   -1.75   -1.75   34.14   27.48    59.0   0.018  1440.4
  30.0   -1.74   -1.74   34.17   27.51    56.7   0.021  1440.6
  35.0   -1.72   -1.72   34.18   27.51    56.2   0.024  1440.7
  40.0   -1.60   -1.60   34.20   27.53    54.6   0.027  1441.4
  45.0   -1.49   -1.49   34.25   27.56    51.5   0.030  1442.1
  50.0   -1.31   -1.32   34.31   27.60    47.4   0.032  1443.1
  55.0   -0.95   -0.95   34.33   27.61    46.8   0.035  1444.9
  60.0   -0.52   -0.52   34.44   27.68    40.0   0.037  1447.1
  65.0   -0.22   -0.22   34.45   27.67    40.8   0.039  1448.6
  70.0    0.10    0.10   34.49   27.69    39.6   0.041  1450.2
  75.0    0.42    0.42   34.57   27.74    35.2   0.043  1451.9
  80.0    0.59    0.59   34.57   27.73    35.9   0.044  1452.7
  85.0    0.83    0.83   34.59   27.73    35.8   0.046  1453.9
  90.0    0.94    0.94   34.61   27.73    35.6   0.048  1454.5
  95.0    1.04    1.04   34.64   27.75    33.5   0.050  1455.1
 100.0    1.16    1.15   34.64   27.75    34.0   0.052  1455.7
 110.0    1.41    1.41   34.70   27.78    31.5   0.055  1457.1
 120.0    1.60    1.60   34.75   27.81    29.0   0.058  1458.2
 130.0    1.77    1.76   34.78   27.82    28.1   0.061  1459.1
 140.0    1.85    1.84   34.80   27.82    27.5   0.064  1459.6
 150.0    1.91    1.90   34.82   27.84    26.3   0.066  1460.1
 160.0    2.01    2.00   34.84   27.84    25.5   0.069  1460.8
 170.0    2.19    2.18   34.88   27.86    23.9   0.071  1461.7
 180.0    2.26    2.25   34.90   27.87    23.5   0.074  1462.3
 190.0    2.23    2.22   34.90   27.88    22.9   0.076  1462.3
 200.0    2.27    2.26   34.92   27.89    22.1   0.078  1462.6
 210.0    2.31    2.29   34.93   27.89    21.7   0.081  1463.0
 220.0    2.30    2.29   34.93   27.89    21.8   0.083  1463.1
 230.0    2.29    2.27   34.94   27.90    21.1   0.085  1463.2
 240.0    2.28    2.27   34.94   27.90    21.2   0.087  1463.4
 250.0    2.26    2.25   34.94   27.91    20.4   0.089  1463.5
 260.0    2.24    2.23   34.94   27.91    20.3   0.091  1463.5
 270.0    2.22    2.21   34.95   27.91    19.9   0.093  1463.6
 280.0    2.18    2.16   34.94   27.91    19.9   0.095  1463.6
 290.0    2.12    2.10   34.95   27.92    18.9   0.097  1463.5
 300.0    2.08    2.06   34.94   27.92    19.3   0.099  1463.5
 305.4    2.07    2.05   34.94   27.92    19.1   0.100  1463.5

                          DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  34(1) CTD   7/JUL/1983 1618 GMT  CODE = 1
LAT = 81.2100N LNG =  -8.8300W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.63   -1.63   33.74   27.15    90.1   0.000  1440.0
  1.9   -1.63   -1.63   33.74   27.15    90.1   0.002  1440.0
  5.0   -1.63   -1.63   33.75   27.16    89.8   0.005  1440.1
 10.0   -1.65   -1.65   33.88   27.27    79.2   0.009  1440.2
 15.0   -1.67   -1.67   34.02   27.38    68.8   0.013  1440.4
 20.0   -1.71   -1.71   34.09   27.44    63.2   0.016  1440.4
 25.0   -1.74   -1.74   34.16   27.50    57.6   0.019  1440.4
 30.0   -1.76   -1.76   34.18   27.51    56.0   0.022  1440.4
 35.0   -1.74   -1.74   34.18   27.51    55.9   0.025  1440.6
 40.0   -1.69   -1.69   34.20   27.53    54.6   0.027  1441.0
 45.0   -1.43   -1.43   34.24   27.55    52.1   0.030  1442.4
 50.0   -1.31   -1.31   34.28   27.58    49.5   0.033  1443.1
 55.0   -1.14   -1.14   34.30   27.59    48.8   0.035  1444.0
 60.0   -0.85   -0.85   34.35   27.62    45.8   0.038  1445.5
 65.0   -0.68   -0.68   34.37   27.63    44.6   0.040  1446.4
 70.0   -0.34   -0.35   34.41   27.65    43.4   0.042  1448.1
 75.0    0.13    0.13   34.48   27.68    40.5   0.044  1450.4
 80.0    0.66    0.65   34.53   27.69    39.6   0.046  1453.0
 85.0    0.95    0.95   34.59   27.72    37.0   0.048  1454.4
 90.0    1.17    1.17   34.62   27.73    36.1   0.050  1455.6
 95.0    1.25    1.24   34.65   27.75    33.9   0.052  1456.0
100.0    1.33    1.32   34.68   27.77    32.4   0.053  1456.5
110.0    1.42    1.42   34.71   27.78    31.2   0.057  1457.1
120.0    1.60    1.60   34.76   27.81    28.8   0.060  1458.2
130.0    1.71    1.70   34.77   27.81    28.7   0.063  1458.8
140.0    1.81    1.80   34.80   27.83    27.1   0.065  1459.5
150.0    1.93    1.92   34.83   27.84    25.6   0.068  1460.2
160.0    2.03    2.02   34.85   27.85    24.9   0.071  1460.8
170.0    2.04    2.03   34.86   27.86    24.4   0.073  1461.1
180.0    2.11    2.10   34.88   27.86    24.0   0.076  1461.5
190.0    2.15    2.14   34.89   27.87    23.1   0.078  1461.9
200.0    2.18    2.17   34.90   27.88    22.4   0.080  1462.2
210.0    2.21    2.20   34.91   27.89    22.0   0.083  1462.5
220.0    2.21    2.20   34.92   27.89    21.3   0.085  1462.7
230.0    2.25    2.24   34.93   27.90    21.1   0.087  1463.1
240.0    2.26    2.25   34.94   27.90    20.5   0.089  1463.3
250.0    2.25    2.24   34.95   27.91    19.8   0.091  1463.4
260.0    2.22    2.21   34.95   27.91    20.0   0.093  1463.5
270.0    2.19    2.18   34.95   27.92    19.2   0.095  1463.5
280.0    2.16    2.14   34.95   27.92    19.1   0.097  1463.5
290.0    2.14    2.12   34.95   27.92    19.0   0.099  1463.6
299.5    2.13    2.11   34.95   27.92    19.2   0.101  1463.7

                         DEPTH       TEMP.       SALIN
```



MIZEX-83 33 -1

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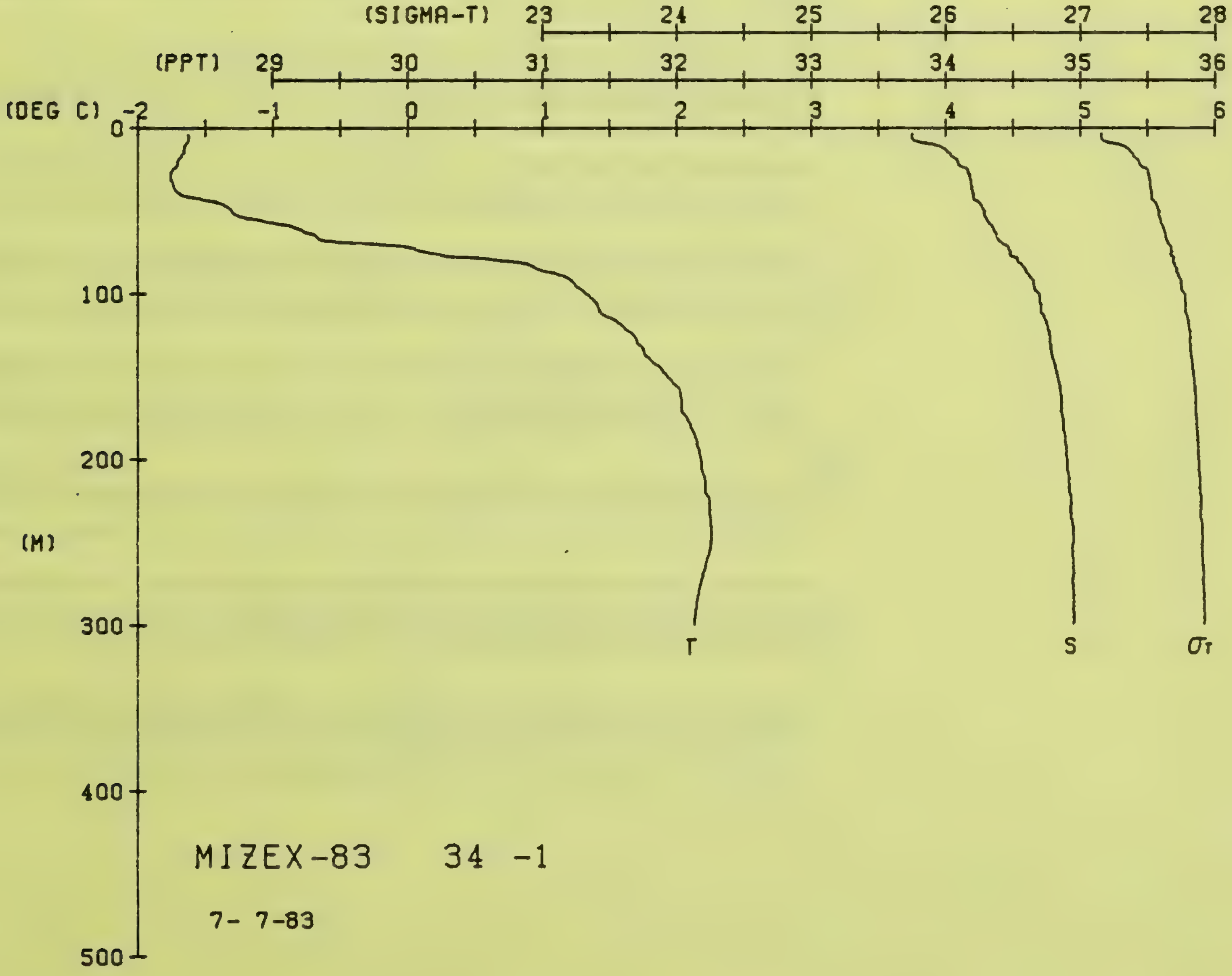

MIZEX-83 34 -1

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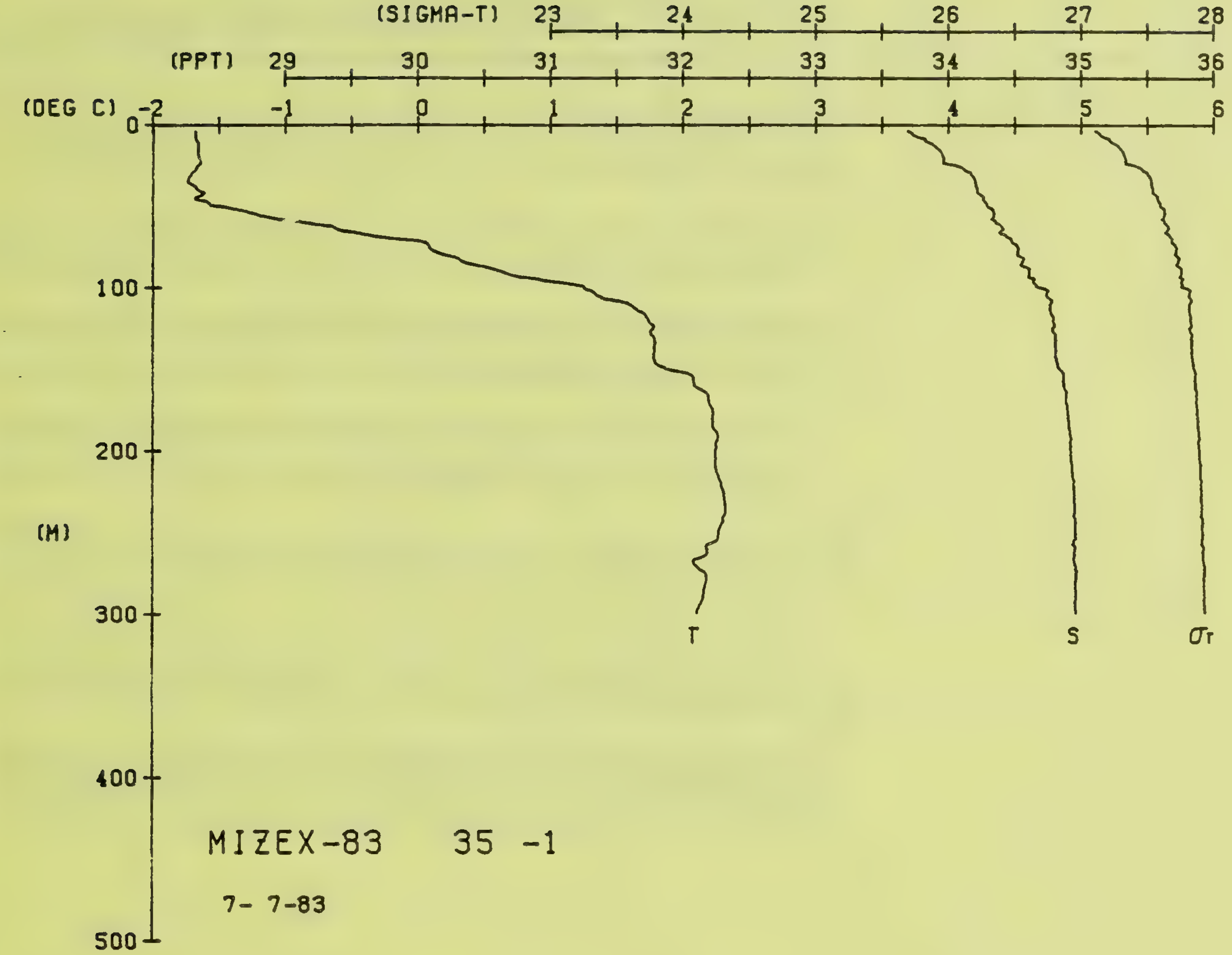
```
MIZEX-83 STATION  35(1) CTD   7/JUL/1983 1655 GMT  CODE = 1
LAT = 81.0800N LNG =  -8.7200W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.69   -1.69   33.58   27.02   102.8   0.000   1439.5
   1.9   -1.69   -1.69   33.58   27.02   102.8   0.002   1439.5
   5.0   -1.68   -1.68   33.73   27.14    91.1   0.005   1439.8
  10.0   -1.67   -1.67   33.82   27.22    83.8   0.009   1440.0
  15.0   -1.66   -1.67   33.92   27.30    76.4   0.014   1440.3
  20.0   -1.66   -1.66   33.96   27.33    73.2   0.017   1440.5
  25.0   -1.66   -1.66   34.04   27.40    66.7   0.021   1440.6
  30.0   -1.72   -1.72   34.17   27.51    56.7   0.024   1440.6
  35.0   -1.74   -1.74   34.20   27.53    54.0   0.027   1440.7
  40.0   -1.68   -1.68   34.22   27.54    53.4   0.029   1441.1
  45.0   -1.69   -1.69   34.25   27.57    50.7   0.032   1441.1
  50.0   -1.54   -1.54   34.30   27.60    47.5   0.035   1442.0
  55.0   -1.24   -1.24   34.35   27.64    44.2   0.037   1443.6
  60.0   -0.85   -0.85   34.35   27.62    45.6   0.039   1445.5
  65.0   -0.61   -0.61   34.40   27.65    43.0   0.041   1446.7
  70.0   -0.23   -0.23   34.48   27.70    38.7   0.043   1448.7
  75.0    0.08    0.08   34.52   27.71    37.2   0.045   1450.2
  80.0    0.18    0.18   34.51   27.70    38.2   0.047   1450.8
  85.0    0.35    0.35   34.55   27.72    36.3   0.049   1451.7
  90.0    0.62    0.61   34.60   27.75    34.1   0.051   1453.0
  95.0    0.91    0.90   34.65   27.77    32.0   0.053   1454.5
 100.0    1.24    1.24   34.69   27.78    31.5   0.054   1456.1
 110.0    1.59    1.58   34.76   27.81    28.3   0.057   1457.9
 120.0    1.74    1.73   34.79   27.82    27.4   0.060   1458.8
 130.0    1.77    1.76   34.80   27.83    26.9   0.063   1459.1
 140.0    1.78    1.77   34.80   27.83    26.7   0.065   1459.3
 150.0    1.87    1.87   34.83   27.85    25.1   0.068   1460.0
 160.0    2.09    2.08   34.86   27.86    24.6   0.071   1461.1
 170.0    2.20    2.19   34.88   27.86    24.0   0.073   1461.8
 180.0    2.21    2.20   34.89   27.87    23.5   0.075   1462.0
 190.0    2.26    2.25   34.92   27.89    22.0   0.078   1462.4
 200.0    2.24    2.23   34.92   27.88    22.2   0.080   1462.5
 210.0    2.24    2.23   34.93   27.89    21.3   0.082   1462.7
 220.0    2.29    2.28   34.94   27.90    20.8   0.084   1463.1
 230.0    2.31    2.30   34.95   27.91    20.2   0.086   1463.4
 240.0    2.31    2.29   34.94   27.90    21.4   0.089   1463.5
 250.0    2.26    2.25   34.95   27.91    20.0   0.091   1463.5
 260.0    2.18    2.16   34.95   27.92    19.2   0.093   1463.3
 270.0    2.09    2.07   34.95   27.92    18.8   0.095   1463.0
 280.0    2.17    2.16   34.95   27.92    19.1   0.096   1463.6
 290.0    2.14    2.13   34.96   27.92    18.8   0.098   1463.6
 300.0    2.10    2.08   34.96   27.93    18.4   0.100   1463.6
 300.2    2.10    2.08   34.95   27.92    18.8   0.100   1463.6

                         DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  36(1) CTD   7/JUL/1983 1742 GMT  CODE = 1
LAT = 81.0800N LNG =  -7.9900W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.74   -1.74   32.99   26.55   147.5   0.000   1438.4
   1.9   -1.74   -1.74   32.99   26.55   147.5   0.003   1438.4
   5.0   -1.73   -1.73   33.03   26.58   144.8   0.007   1438.6
  10.0   -1.60   -1.60   33.47   26.93   111.0   0.014   1439.9
  15.0   -1.64   -1.64   33.90   27.28    78.2   0.019   1440.4
  20.0   -1.65   -1.65   34.00   27.37    70.0   0.022   1440.6
  25.0   -1.67   -1.67   34.12   27.46    60.8   0.026   1440.7
  30.0   -1.71   -1.71   34.17   27.50    57.0   0.029   1440.7
  35.0   -1.73   -1.73   34.20   27.53    54.6   0.032   1440.7
  40.0   -1.75   -1.76   34.23   27.55    52.3   0.034   1440.7
  45.0   -1.76   -1.76   34.24   27.56    51.0   0.037   1440.8
  50.0   -1.76   -1.77   34.25   27.57    50.2   0.039   1440.9
  55.0   -1.75   -1.75   34.26   27.58    49.7   0.042   1441.0
  60.0   -1.76   -1.76   34.27   27.58    49.1   0.044   1441.1
  65.0   -1.70   -1.70   34.33   27.63    44.6   0.047   1441.5
  70.0   -1.51   -1.51   34.35   27.64    43.6   0.049   1442.5
  75.0   -1.39   -1.39   34.39   27.68    40.3   0.051   1443.2
  80.0   -0.65   -0.66   34.46   27.70    38.3   0.053   1446.9
  85.0   -0.25   -0.26   34.48   27.70    38.0   0.055   1448.8
  90.0    0.04    0.04   34.53   27.72    36.2   0.057   1450.3
  95.0   -0.08   -0.08   34.57   27.76    32.2   0.059   1449.9
 100.0   -0.33   -0.34   34.55   27.76    32.8   0.060   1448.8
 110.0   -0.04   -0.04   34.59   27.77    31.3   0.064   1450.4
 120.0    0.39    0.39   34.66   27.81    28.4   0.067   1452.6
 130.0    0.99    0.98   34.72   27.82    27.3   0.069   1455.5
 140.0    1.48    1.48   34.79   27.84    25.6   0.072   1458.0
 150.0    1.68    1.68   34.81   27.85    25.1   0.075   1459.1
 160.0    1.86    1.85   34.84   27.85    24.7   0.077   1460.1
 170.0    2.00    1.99   34.87   27.87    23.6   0.080   1460.9
 180.0    2.10    2.09   34.89   27.87    23.1   0.082   1461.5
 190.0    2.17    2.16   34.91   27.88    22.2   0.084   1462.0
 200.0    2.19    2.17   34.91   27.89    21.9   0.086   1462.3
 210.0    2.20    2.19   34.91   27.89    21.9   0.089   1462.5
 220.0    2.19    2.18   34.92   27.89    21.2   0.091   1462.6
 230.0    2.20    2.18   34.93   27.90    20.6   0.093   1462.8
 240.0    2.16    2.15   34.93   27.90    20.5   0.095   1462.9
 250.0    2.15    2.14   34.93   27.91    20.2   0.097   1463.0
 260.0    2.13    2.11   34.94   27.91    19.9   0.099   1463.0
 270.0    2.12    2.11   34.94   27.92    19.4   0.101   1463.2
 280.0    2.08    2.06   34.94   27.92    19.3   0.103   1463.2
 290.0    2.06    2.05   34.95   27.93    18.7   0.105   1463.3
 300.0    2.04    2.02   34.95   27.93    18.6   0.107   1463.3
 301.2    2.03    2.01   34.95   27.93    18.0   0.107   1463.3

                         DEPTH        TEMP.        SALIN
```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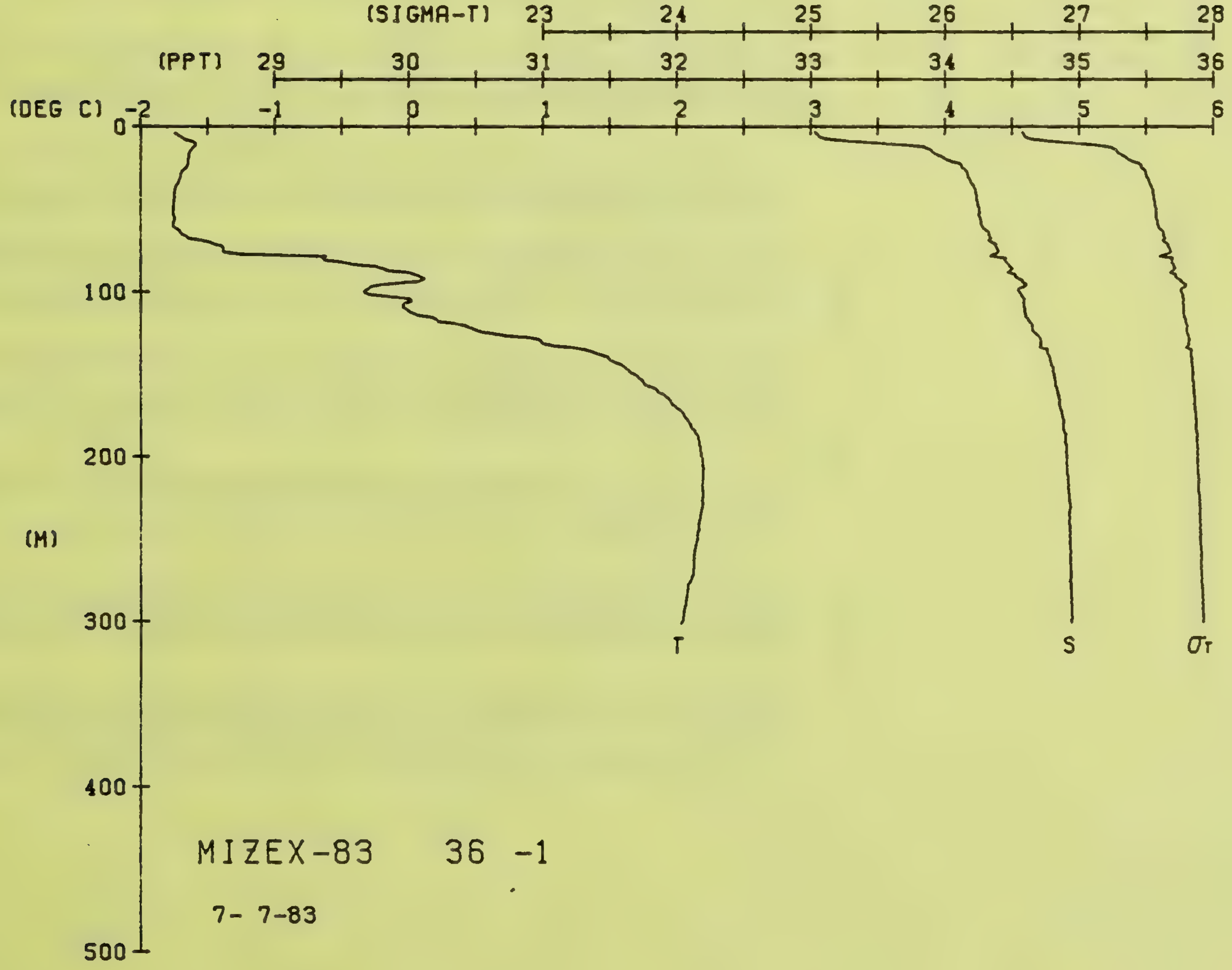
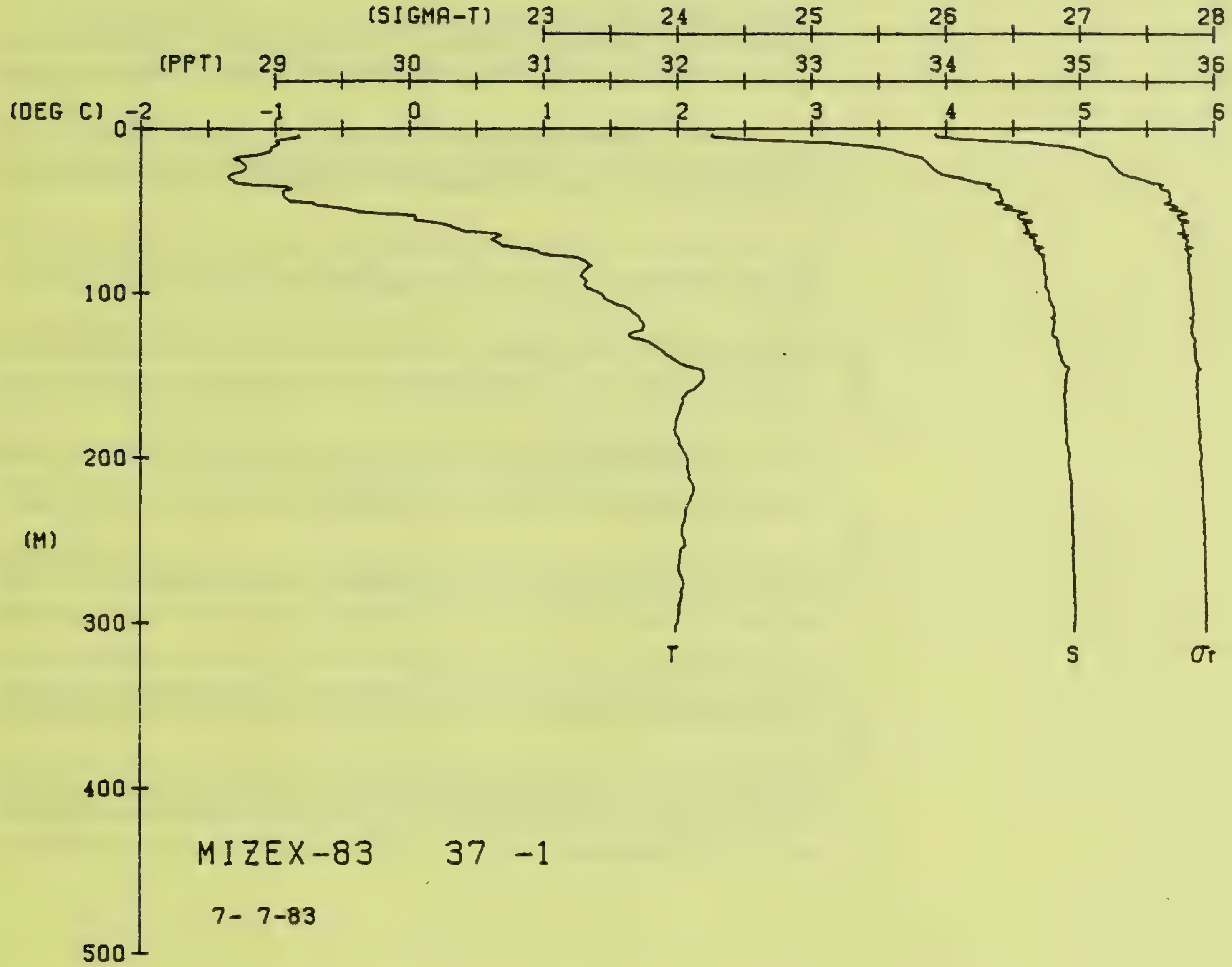
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 35 -1
7- 7-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 36 -1
7- 7-83

```
MIZEX-83 STATION  37(1) CTD   7/JUL/1983 1830 GMT  CODE = 1
LAT = 81.1000N LNG =  -7.2500W LTER =    150. LGER =    150.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.86   -0.86  32.15   25.84   214.6   0.000   1441.3
   1.9   -0.86   -0.86  32.15   25.84   214.6   0.004   1441.4
   5.0   -0.82   -0.82  32.24   25.91   207.8   0.011   1441.8
  10.0   -0.99   -0.99  33.23   26.72   131.3   0.019   1442.4
  15.0   -1.08   -1.08  33.65   27.06    98.6   0.025   1442.7
  20.0   -1.27   -1.27  33.84   27.22    83.6   0.030   1442.1
  25.0   -1.23   -1.23  33.90   27.27    79.0   0.034   1442.5
  30.0   -1.35   -1.36  34.04   27.39    67.6   0.038   1442.2
  35.0   -1.11   -1.11  34.32   27.61    46.9   0.040   1443.8
  40.0   -0.94   -0.94  34.40   27.66    41.8   0.043   1444.8
  45.0   -0.89   -0.89  34.41   27.67    40.8   0.045   1445.1
  50.0   -0.44   -0.44  34.48   27.70    38.0   0.047   1447.4
  55.0    0.03    0.03  34.53   27.72    36.4   0.049   1449.7
  60.0    0.31    0.31  34.60   27.76    32.4   0.050   1451.1
  65.0    0.65    0.65  34.65   27.79    30.1   0.052   1452.8
  70.0    0.67    0.67  34.64   27.78    31.1   0.054   1453.0
  75.0    0.95    0.95  34.69   27.80    29.4   0.055   1454.4
  80.0    1.28    1.27  34.72   27.81    28.7   0.057   1456.0
  85.0    1.32    1.31  34.73   27.81    28.6   0.058   1456.3
  90.0    1.27    1.27  34.74   27.82    27.7   0.059   1456.2
  95.0    1.30    1.30  34.74   27.81    28.0   0.061   1456.4
 100.0    1.40    1.40  34.76   27.82    27.2   0.062   1457.0
 110.0    1.64    1.63  34.80   27.84    25.6   0.065   1458.2
 120.0    1.75    1.74  34.80   27.83    26.3   0.067   1458.9
 130.0    1.78    1.77  34.83   27.85    24.9   0.070   1459.2
 140.0    1.95    1.95  34.85   27.86    24.1   0.073   1460.2
 150.0    2.19    2.18  34.89   27.87    23.5   0.075   1461.4
 160.0    2.08    2.07  34.88   27.87    23.0   0.077   1461.1
 170.0    2.01    2.00  34.89   27.88    22.3   0.080   1461.0
 180.0    1.98    1.97  34.89   27.89    21.8   0.082   1461.0
 190.0    2.00    1.99  34.89   27.89    21.9   0.084   1461.3
 200.0    2.06    2.05  34.91   27.90    21.0   0.086   1461.7
 210.0    2.09    2.07  34.92   27.90    20.3   0.088   1462.0
 220.0    2.12    2.10  34.93   27.91    20.0   0.090   1462.3
 230.0    2.06    2.05  34.93   27.91    19.4   0.092   1462.2
 240.0    2.04    2.02  34.93   27.91    19.5   0.094   1462.3
 250.0    2.05    2.03  34.95   27.93    18.2   0.096   1462.5
 260.0    2.01    2.00  34.94   27.92    18.6   0.098   1462.5
 270.0    2.01    2.00  34.95   27.93    18.2   0.100   1462.7
 280.0    2.02    2.01  34.95   27.93    17.8   0.102   1462.9
 290.0    2.01    1.99  34.96   27.94    17.3   0.104   1463.0
 300.0    1.99    1.98  34.96   27.94    17.4   0.105   1463.1
 305.7    1.98    1.96  34.96   27.94    17.4   0.106   1463.2

                        DEPTH      TEMP.      SALIN
```

```
MIZEX-83 STATION  38(1) CTD   7/JUL/1983 1910 GMT  CODE = 1
LAT = 81.1400N LNG =  -6.6300W LTER =    150. LGER =    150.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -1.00   -1.00  32.22   25.90   209.5   0.000   1440.8
   1.9  -1.00   -1.00  32.22   25.90   209.5   0.004   1440.8
   5.0  -0.92   -0.92  32.71   26.30   171.4   0.010   1441.9
  10.0  -0.68   -0.68  33.33   26.79   124.7   0.018   1444.0
  15.0  -1.10   -1.10  33.74   27.14    91.8   0.023   1442.7
  20.0  -1.17   -1.17  33.91   27.28    78.2   0.027   1442.7
  25.0  -0.86   -0.86  34.11   27.43    64.0   0.031   1444.5
  30.0   1.07    1.07  34.34   27.51    56.3   0.034   1453.7
  35.0   1.58    1.58  34.62   27.70    38.6   0.036   1456.5
  40.0   1.78    1.78  34.66   27.72    36.9   0.038   1457.5
  45.0   1.96    1.96  34.73   27.76    33.2   0.040   1458.5
  50.0   2.50    2.49  34.79   27.76    32.7   0.042   1461.0
  55.0   1.37    1.36  34.71   27.79    30.5   0.043   1456.0
  60.0   1.19    1.19  34.71   27.80    29.4   0.045   1455.3
  65.0   1.00    1.00  34.74   27.84    25.6   0.046   1454.5
  70.0   1.97    1.96  34.74   27.77    32.2   0.048   1458.9
  75.0   1.71    1.71  34.77   27.81    28.4   0.049   1457.9
  80.0   1.87    1.86  34.79   27.81    28.3   0.051   1458.7
  85.0   1.71    1.71  34.81   27.84    25.5   0.052   1458.1
  90.0   1.77    1.76  34.79   27.82    27.7   0.053   1458.4
  95.0   1.86    1.86  34.81   27.83    26.4   0.055   1459.0
 100.0   2.00    2.00  34.84   27.85    25.2   0.056   1459.7
 110.0   1.95    1.95  34.83   27.84    26.1   0.059   1459.6
 120.0   1.94    1.93  34.84   27.85    24.7   0.061   1459.8
 130.0   2.03    2.02  34.87   27.86    23.6   0.064   1460.4
 140.0   2.10    2.10  34.88   27.87    23.5   0.066   1460.9
 150.0   2.08    2.07  34.89   27.88    22.7   0.068   1460.9
 160.0   2.17    2.16  34.91   27.88    22.0   0.071   1461.5
 170.0   2.12    2.11  34.91   27.89    21.7   0.073   1461.5
 180.0   2.10    2.09  34.90   27.89    21.7   0.075   1461.6
 190.0   2.11    2.10  34.91   27.89    21.1   0.077   1461.8
 200.0   2.03    2.02  34.91   27.90    21.0   0.079   1461.6
 210.0   1.97    1.95  34.92   27.91    19.8   0.081   1461.5
 220.0   1.94    1.93  34.92   27.91    19.5   0.083   1461.5
 230.0   1.90    1.89  34.91   27.91    19.7   0.085   1461.5
 240.0   1.85    1.83  34.93   27.93    18.0   0.087   1461.5
 250.0   1.84    1.83  34.93   27.93    18.0   0.089   1461.6
 260.0   1.82    1.80  34.94   27.94    17.4   0.091   1461.7
 270.0   1.78    1.77  34.94   27.94    16.9   0.093   1461.7
 280.0   1.75    1.74  34.94   27.94    16.9   0.094   1461.7
 290.0   1.70    1.68  34.94   27.95    16.4   0.096   1461.7
 300.0   1.67    1.65  34.94   27.95    16.3   0.098   1461.7

                        DEPTH      TEMP.      SALIN
```



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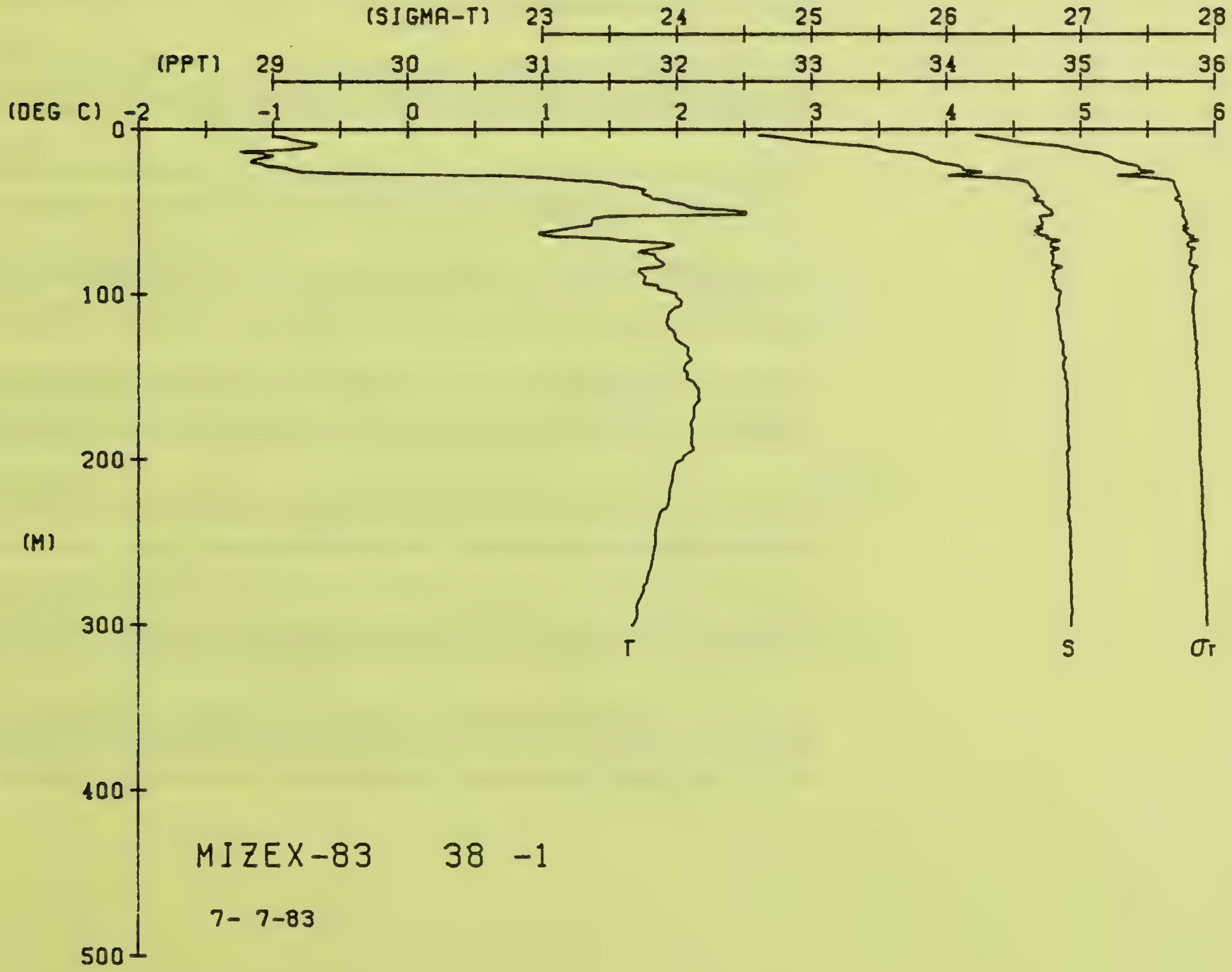

MIZEX-83 38 -1

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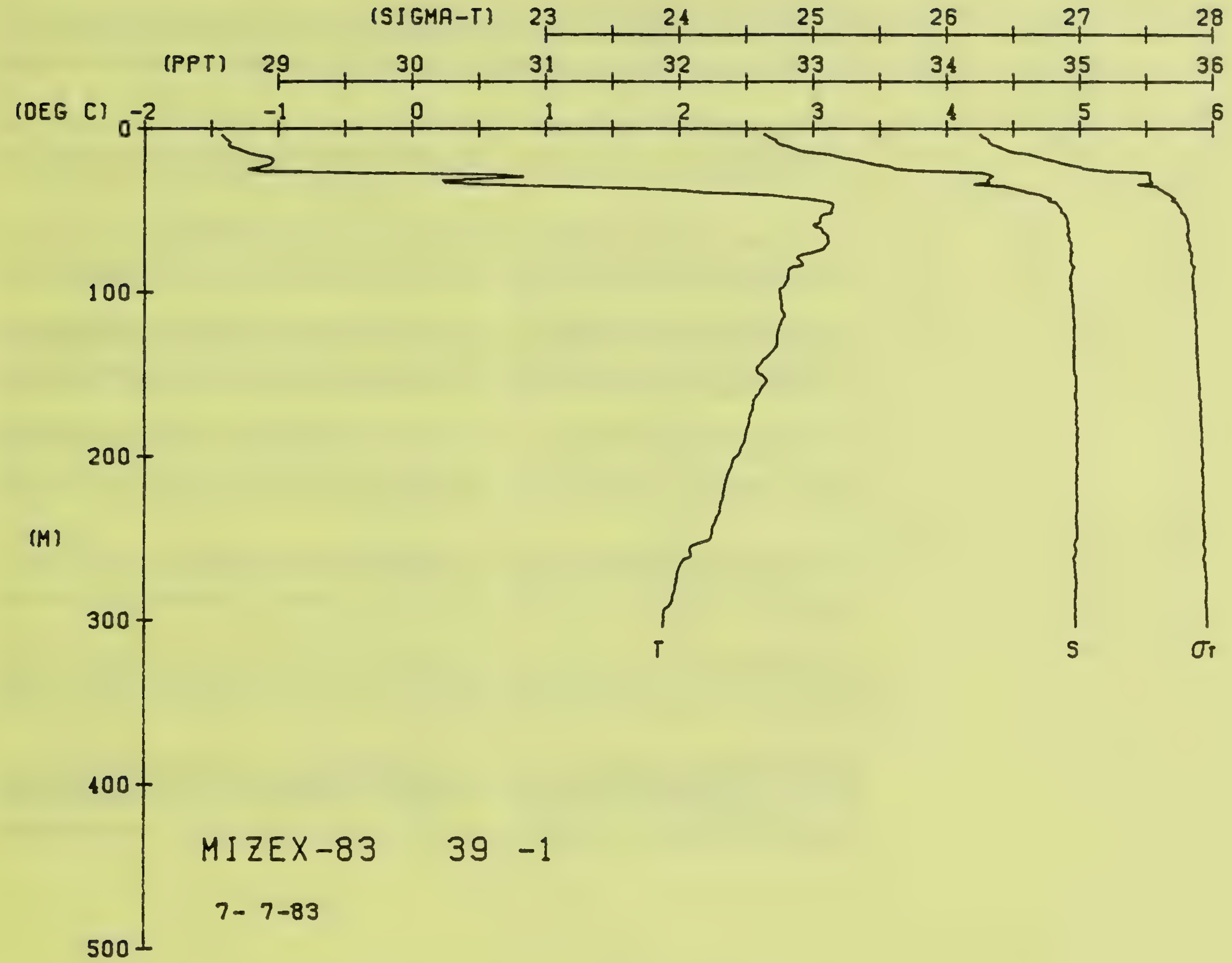
```
MIZEX-83 STATION  39(1) CTD   7/JUL/1983 2018 GMT  CODE = 1
LAT = 81.1100N LNG =  -5.8000W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.47   -1.47   31.85   25.61   236.6   0.000   1438.1
   1.9   -1.47   -1.47   31.85   25.61   236.6   0.005   1438.1
   5.0   -1.41   -1.41   32.65   26.26   174.9   0.011   1439.6
  10.0   -1.37   -1.38   32.74   26.34   167.7   0.020   1439.9
  15.0   -1.23   -1.23   32.96   26.51   151.5   0.028   1441.0
  20.0   -1.04   -1.04   33.33   26.80   123.7   0.035   1442.5
  25.0   -1.23   -1.23   33.60   27.03   101.8   0.040   1442.0
  30.0    0.80    0.80   34.34   27.52    55.1   0.044   1452.5
  35.0    0.73    0.73   34.15   27.38    69.0   0.048   1452.0
  40.0    2.31    2.31   34.61   27.64    44.7   0.050   1459.8
  45.0    3.09    3.08   34.79   27.71    38.2   0.052   1463.4
  50.0    3.13    3.13   34.86   27.76    33.4   0.054   1463.8
  55.0    3.05    3.04   34.90   27.80    29.2   0.056   1463.6
  60.0    2.99    2.98   34.90   27.80    29.0   0.057   1463.4
  65.0    3.09    3.08   34.91   27.81    28.9   0.059   1463.9
  70.0    3.12    3.11   34.93   27.82    27.8   0.060   1464.2
  75.0    3.03    3.03   34.94   27.83    26.7   0.062   1463.9
  80.0    2.88    2.88   34.93   27.84    25.8   0.063   1463.3
  85.0    2.83    2.83   34.96   27.87    23.4   0.064   1463.2
  90.0    2.81    2.80   34.93   27.85    25.3   0.065   1463.2
  95.0    2.78    2.78   34.93   27.85    25.0   0.067   1463.2
 100.0    2.74    2.73   34.94   27.86    23.9   0.068   1463.0
 110.0    2.76    2.75   34.95   27.87    23.4   0.070   1463.3
 120.0    2.74    2.74   34.96   27.87    22.9   0.073   1463.4
 130.0    2.72    2.71   34.96   27.88    22.5   0.075   1463.5
 140.0    2.64    2.63   34.95   27.88    22.5   0.077   1463.3
 150.0    2.59    2.58   34.96   27.89    21.6   0.079   1463.3
 160.0    2.59    2.58   34.97   27.90    20.8   0.082   1463.5
 170.0    2.54    2.53   34.97   27.90    20.2   0.084   1463.4
 180.0    2.51    2.50   34.97   27.91    20.0   0.086   1463.4
 190.0    2.48    2.47   34.97   27.91    19.8   0.088   1463.5
 200.0    2.42    2.41   34.97   27.91    19.6   0.090   1463.4
 210.0    2.36    2.34   34.97   27.92    19.1   0.092   1463.3
 220.0    2.32    2.31   34.97   27.92    18.8   0.094   1463.3
 230.0    2.30    2.28   34.98   27.93    18.3   0.095   1463.3
 240.0    2.26    2.24   34.97   27.93    18.1   0.097   1463.3
 250.0    2.22    2.21   34.98   27.94    17.4   0.099   1463.3
 260.0    2.08    2.07   34.96   27.93    17.7   0.101   1462.9
 270.0    1.98    1.96   34.96   27.94    17.0   0.103   1462.6
 280.0    1.96    1.94   34.97   27.95    16.3   0.104   1462.7
 290.0    1.93    1.91   34.96   27.94    16.8   0.106   1462.7
 300.0    1.87    1.86   34.96   27.95    16.1   0.108   1462.6
 305.4    1.86    1.85   34.96   27.95    16.0   0.109   1462.7

                        DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  40(1) CTD   7/JUL/1983 2100 GMT  CODE = 1
LAT = 81.2100N LNG =  -5.7000W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.46   -1.46   32.55   26.18   182.3   0.000   1439.1
  1.9   -1.46   -1.46   32.55   26.18   182.3   0.004   1439.1
  5.0   -1.44   -1.44   32.73   26.33   168.6   0.009   1439.5
 10.0   -1.37   -1.37   32.81   26.39   162.5   0.017   1440.0
 15.0   -1.36   -1.36   32.88   26.44   157.5   0.026   1440.3
 20.0   -1.16   -1.16   33.25   26.74   129.2   0.033   1441.8
 25.0   -0.71   -0.71   33.90   27.25    81.1   0.038   1444.9
 30.0   -0.23   -0.23   34.11   27.40    67.0   0.042   1447.5
 35.0    0.30    0.30   34.34   27.55    52.2   0.045   1450.3
 40.0    1.17    1.16   34.66   27.76    32.4   0.047   1454.8
 45.0    1.41    1.41   34.66   27.75    34.1   0.049   1456.0
 50.0    1.53    1.52   34.72   27.78    30.7   0.050   1456.6
 55.0    1.60    1.60   34.76   27.81    28.2   0.052   1457.1
 60.0    1.65    1.65   34.77   27.82    27.7   0.053   1457.4
 65.0    1.74    1.73   34.80   27.84    25.9   0.055   1457.9
 70.0    1.77    1.76   34.80   27.83    26.2   0.056   1458.1
 75.0    1.86    1.86   34.83   27.85    24.9   0.057   1458.7
 80.0    2.12    2.12   34.85   27.84    25.2   0.058   1459.9
 85.0    2.25    2.25   34.87   27.85    25.0   0.060   1460.6
 90.0    2.31    2.31   34.88   27.85    24.5   0.061   1461.0
 95.0    2.45    2.44   34.92   27.87    22.6   0.062   1461.7
100.0    2.33    2.32   34.89   27.86    24.2   0.063   1461.2
110.0    2.19    2.19   34.87   27.85    24.6   0.066   1460.8
120.0    2.07    2.06   34.88   27.87    22.7   0.068   1460.4
130.0    2.02    2.01   34.89   27.88    21.6   0.070   1460.3
140.0    1.97    1.96   34.90   27.89    21.0   0.073   1460.3
150.0    2.17    2.16   34.93   27.90    20.5   0.075   1461.4
160.0    2.14    2.14   34.93   27.90    20.1   0.077   1461.4
170.0    2.04    2.03   34.92   27.90    20.2   0.079   1461.1
180.0    2.01    2.00   34.91   27.90    20.6   0.081   1461.2
190.0    1.96    1.95   34.91   27.90    20.2   0.083   1461.1
200.0    1.95    1.94   34.92   27.91    19.4   0.085   1461.2
210.0    1.94    1.93   34.93   27.92    18.5   0.087   1461.4
220.0    1.94    1.92   34.95   27.93    17.4   0.089   1461.5
230.0    1.98    1.97   34.96   27.94    16.8   0.090   1461.9
240.0    1.93    1.92   34.96   27.95    16.4   0.092   1461.9
250.0    1.98    1.97   34.98   27.96    15.2   0.094   1462.3
260.0    2.00    1.98   35.00   27.97    14.3   0.095   1462.5
270.0    1.99    1.98   35.00   27.97    14.0   0.097   1462.7
280.0    1.98    1.97   35.00   27.97    13.9   0.098   1462.8
290.0    1.92    1.91   35.01   27.98    13.1   0.099   1462.7
300.0    1.88    1.87   35.00   27.98    13.1   0.101   1462.7
306.4    1.88    1.87   35.01   27.99    12.6   0.101   1462.8

                       DEPTH        TEMP.        SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
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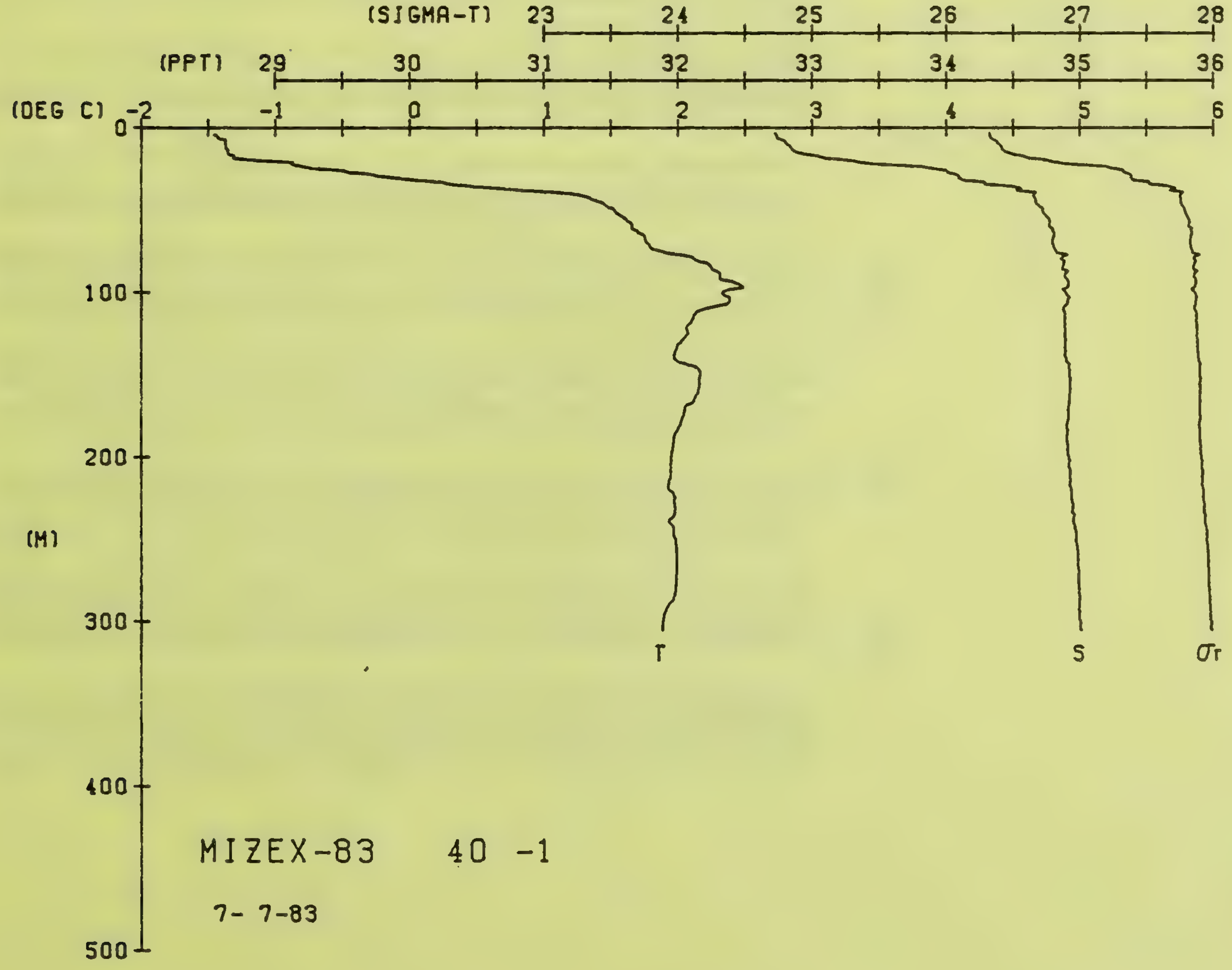
(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 40 -1
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```
MIZEX-83 STATION  41(1) CTD   7/JUL/1983 2210 GMT  CODE = 1
LAT = 81.4500N LNG =  -5.8000W LTER =    150.  LGER =    150.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0   -1.57   -1.57   33.43   26.90   114.5   *****   1439.8
   1.9   -1.57   -1.57   33.43   26.90   114.5   *****   1439.8
   5.0   -1.58   -1.58   33.44   26.91   113.5   *****   1439.9
  10.0   -1.58   -1.58   33.45   26.92   112.4   *****   1440.0
  15.0   -1.56   -1.56   33.56   27.00   104.2   *****   1440.3
  20.0   -1.56   -1.56   33.65   27.08    97.1   *****   1440.5
  25.0   -1.57   -1.57   33.81   27.21    84.8   *****   1440.7
  30.0   -1.29   -1.29   34.08   27.42    65.3   *****   1442.5
  35.0   -1.42   -1.42   34.15   27.48    59.3   *****   1442.1
  40.0   -1.27   -1.27   34.25   27.56    51.9   *****   1443.1
  45.0   -0.74   -0.74   34.37   27.63    45.0   *****   1445.7
  50.0   -0.34   -0.34   34.43   27.67    41.6   *****   1447.8
  55.0   -0.14   -0.14   34.51   27.72    36.5   *****   1448.9
  60.0    0.35    0.35   34.59   27.76    33.1   *****   1451.3
  65.0    0.65    0.65   34.62   27.76    32.9   *****   1452.8
  70.0    0.76    0.75   34.63   27.77    32.4   *****   1453.4
  75.0    0.88    0.88   34.67   27.78    30.6   *****   1454.1
  80.0    1.12    1.11   34.71   27.80    28.9   *****   1455.3
  85.0    1.32    1.32   34.73   27.81    28.3   *****   1456.3
  90.0    1.45    1.44   34.75   27.81    28.1   *****   1457.0
  95.0    1.56    1.55   34.78   27.83    26.3   *****   1457.6
 100.0    1.66    1.65   34.77   27.81    28.4   *****   1458.1
 110.0    1.88    1.87   34.83   27.85    24.8   *****   1459.3
 120.0    1.92    1.92   34.83   27.84    26.0   *****   1459.7
 129.1    1.84    1.84   34.83   27.84    25.3   *****   1459.5
 130.0
 140.0
 147.9    2.05    2.04   34.88   27.87    22.9   *****   1460.8
 150.0    2.06    2.05   34.88   27.87    23.4   *****   1460.8
 160.0    2.12    2.11   34.89   27.87    22.9   *****   1461.3
 170.0    2.10    2.09   34.89   27.88    22.7   *****   1461.4
 180.0    2.12    2.11   34.92   27.90    20.3   *****   1461.6
 190.0    2.17    2.16   34.92   27.90    20.9   *****   1462.1
 200.0    2.10    2.09   34.92   27.90    20.5   *****   1461.9
 210.0    2.08    2.07   34.93   27.91    19.7   *****   1462.0
 220.0    2.09    2.08   34.93   27.91    19.8   *****   1462.2
 230.0    2.11    2.10   34.94   27.91    19.5   *****   1462.5
 240.0    2.08    2.07   34.95   27.92    18.8   *****   1462.5
 250.0    2.03    2.02   34.94   27.92    18.7   *****   1462.5
 260.0    2.03    2.02   34.94   27.92    18.6   *****   1462.6
 270.0    2.04    2.02   34.95   27.93    18.4   *****   1462.8
 280.0    2.00    1.98   34.95   27.93    18.1   *****   1462.8
 290.0    1.98    1.96   34.95   27.93    17.8   *****   1462.9
 300.0    1.95    1.93   34.95   27.93    17.8   *****   1462.9
 306.9    1.93    1.91   34.95   27.94    17.3   *****   1463.0

                        DEPTH        TEMP.        SALIN
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MIZEX-83 STATION  42(1) CTD   8/JUL/1983 1948 GMT  CODE = 1
LAT = 81.3478N LNG =  -7.6358W LTER =     30.  LGER =     30.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

  0.0   -1.58   -1.58   33.72   27.13    92.3   0.000   1440.1
  4.4   -1.58   -1.58   33.72   27.13    92.2   0.004   1440.2
  5.0   -1.59   -1.59   33.73   27.14    91.4   0.005   1440.2
 10.0   -1.60   -1.60   33.86   27.25    81.1   0.009   1440.4
 15.0   -1.61   -1.61   33.92   27.30    76.3   0.013   1440.6
 20.0   -1.60   -1.60   34.02   27.38    69.0   0.017   1440.8
 25.0   -1.57   -1.57   34.17   27.50    57.1   0.020   1441.3
 30.0   -1.44   -1.44   34.26   27.57    50.9   0.023   1442.1
 35.0   -1.41   -1.41   34.32   27.61    46.4   0.025   1442.4
 40.0   -1.38   -1.38   34.33   27.62    45.6   0.027   1442.6
 45.0   -1.36   -1.36   34.33   27.63    45.2   0.030   1442.8
 50.0   -0.87   -0.87   34.39   27.66    42.5   0.032   1445.2
 55.0   -0.59   -0.59   34.48   27.71    37.0   0.034   1446.8
 60.0    0.28    0.28   34.53   27.71    37.4   0.036   1450.9
 65.0    0.76    0.75   34.62   27.76    33.2   0.038   1453.3
 70.0    0.89    0.88   34.66   27.78    31.2   0.039   1454.0
 75.0    1.04    1.03   34.69   27.79    29.9   0.041   1454.8
 80.0    1.12    1.11   34.70   27.80    29.2   0.042   1455.3
 85.0    1.24    1.24   34.73   27.81    28.2   0.044   1456.0
 90.0    1.33    1.33   34.75   27.83    26.9   0.045   1456.5
 95.0    1.41    1.40   34.77   27.84    25.9   0.046   1456.9
100.0    1.45    1.45   34.79   27.85    24.9   0.048   1457.2
110.0    1.56    1.55   34.80   27.85    25.0   0.050   1457.9
120.0    1.68    1.67   34.82   27.86    24.2   0.053   1458.6
130.0    1.76    1.75   34.86   27.87    22.5   0.055   1459.2
140.0    1.87    1.87   34.87   27.88    22.3   0.057   1459.8
150.0    1.85    1.84   34.88   27.89    21.3   0.060   1459.9
160.0    1.80    1.79   34.89   27.90    20.5   0.062   1459.9
170.0    1.88    1.87   34.89   27.89    20.9   0.064   1460.4
180.0    1.94    1.93   34.92   27.91    19.1   0.066   1460.9
190.0    1.91    1.90   34.91   27.91    19.6   0.068   1460.9
200.0    1.82    1.81   34.91   27.92    18.8   0.070   1460.7
210.0    1.78    1.77   34.92   27.93    17.9   0.072   1460.6
220.0    1.76    1.75   34.91   27.92    18.5   0.073   1460.7
230.0    1.71    1.70   34.92   27.93    18.1   0.075   1460.7
240.0    1.64    1.63   34.92   27.94    17.1   0.077   1460.5
250.0    1.53    1.52   34.91   27.94    17.0   0.079   1460.2
260.0    1.45    1.44   34.92   27.95    16.1   0.080   1460.0
270.0    1.40    1.39   34.92   27.95    15.4   0.082   1460.0
280.0    1.28    1.27   34.91   27.95    15.6   0.084   1459.6
290.0    1.15    1.13   34.92   27.97    13.9   0.085   1459.2
300.0    1.10    1.09   34.92   27.97    13.5   0.086   1459.1
306.1    1.09    1.07   34.92   27.97    13.3   0.087   1459.2

                       DEPTH        TEMP.        SALIN
```

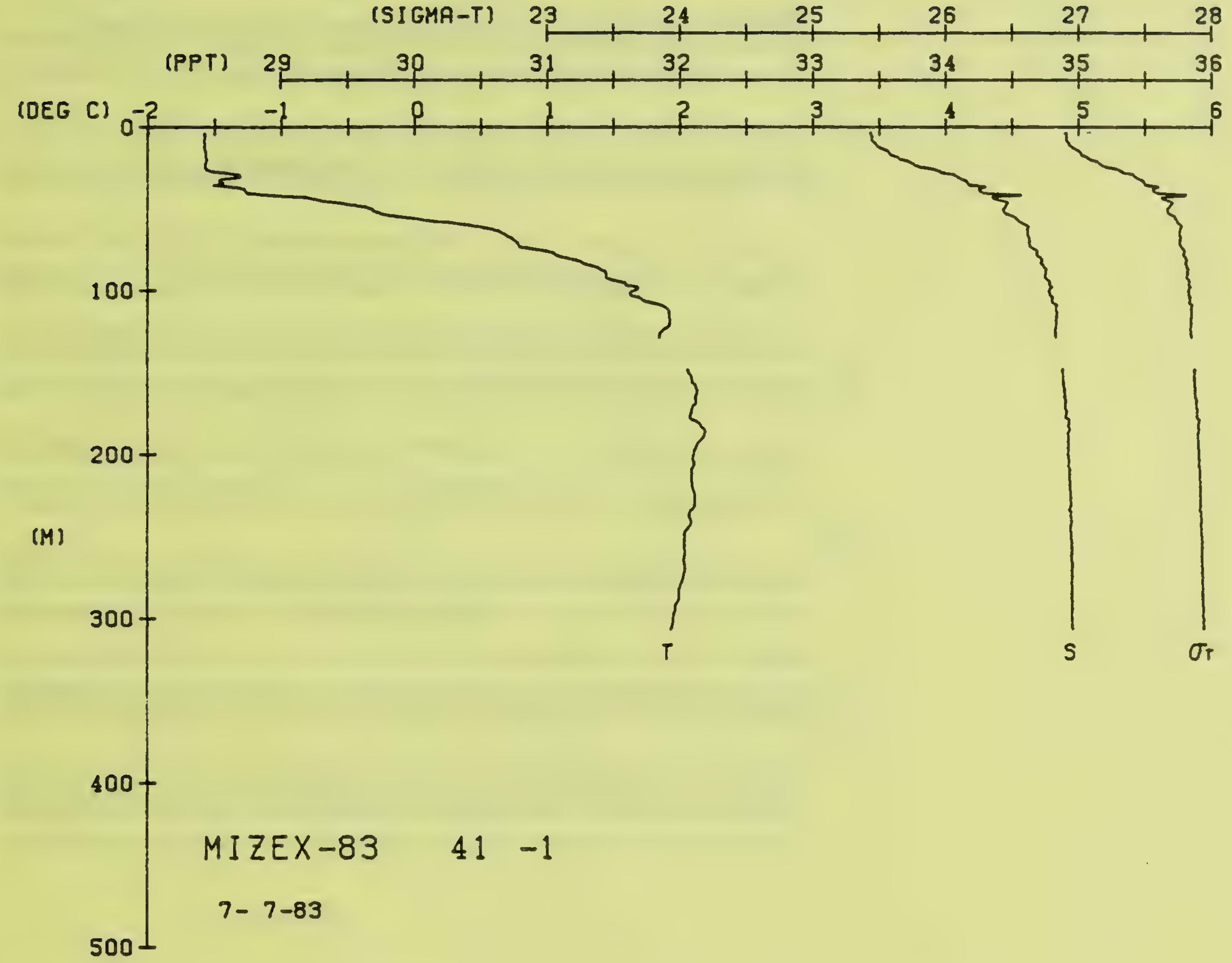

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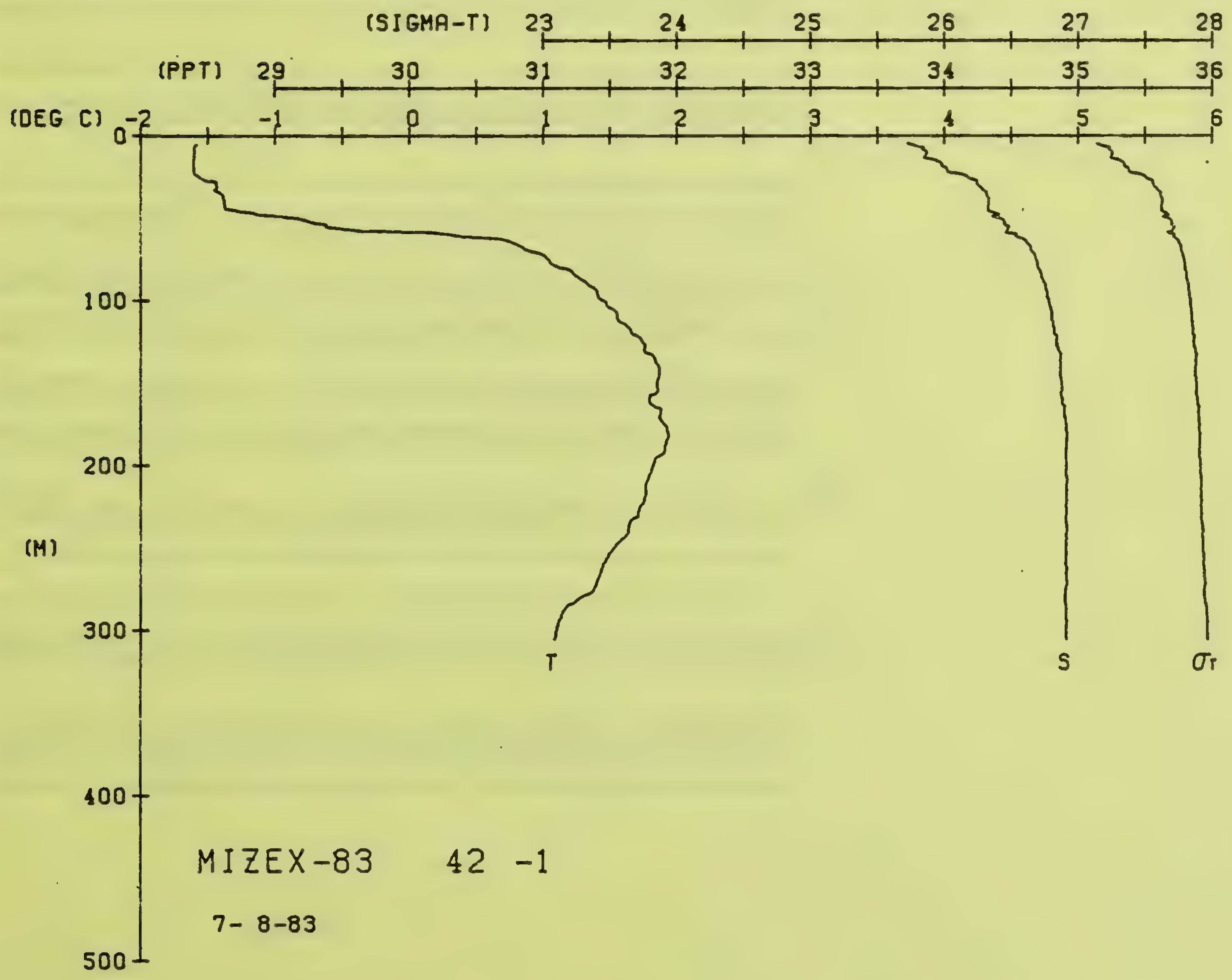

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MIZEX-83 STATION  43(1) CTD   8/JUL/1983 2032 GMT  CODE = 1
LAT = 81.2300N LNG =  -8.3700W LTER =    150. LGER =    150.
AIR TEMP =   0.0 BAROM =      0.0 WIND =    0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.58  -1.58  33.70  27.12   93.9  0.000  1440.1
   3.7  -1.58  -1.58  33.70  27.12   93.9  0.004  1440.2
   5.0  -1.58  -1.58  33.70  27.12   93.3  0.005  1440.2
  10.0  -1.54  -1.54  33.80  27.19   86.3  0.009  1440.6
  15.0  -1.43  -1.43  33.88  27.26   79.7  0.013  1441.4
  20.0  -1.11  -1.12  34.07  27.41   66.1  0.017  1443.2
  25.0  -0.74  -0.74  34.25  27.54   53.9  0.020  1445.3
  30.0  -0.63  -0.63  34.30  27.58   50.2  0.023  1445.9
  35.0  -0.48  -0.48  34.36  27.61   46.7  0.025  1446.8
  40.0  -0.38  -0.38  34.38  27.63   45.4  0.028  1447.4
  45.0  -0.22  -0.22  34.44  27.67   41.4  0.030  1448.3
  50.0  -0.20  -0.20  34.45  27.67   40.8  0.032  1448.5
  55.0  -0.11  -0.11  34.48  27.69   39.3  0.034  1449.0
  60.0   0.01   0.01  34.48  27.69   39.6  0.036  1449.6
  65.0   0.22   0.22  34.54  27.72   36.4  0.038  1450.7
  70.0   0.55   0.54  34.58  27.74   34.9  0.040  1452.4
  75.0   0.74   0.74  34.63  27.76   32.6  0.041  1453.4
  80.0   0.84   0.84  34.65  27.78   31.3  0.043  1454.0
  85.0   0.93   0.93  34.67  27.78   30.6  0.045  1454.5
  90.0   0.97   0.97  34.68  27.79   30.3  0.046  1454.8
  95.0   1.02   1.02  34.69  27.79   29.7  0.048  1455.1
 100.0   1.17   1.17  34.69  27.79   30.5  0.049  1455.8
 110.0   1.39   1.39  34.76  27.83   26.8  0.052  1457.1
 120.0   1.62   1.62  34.80  27.84   25.5  0.055  1458.3
 130.0   1.63   1.62  34.82  27.86   24.3  0.057  1458.5
 140.0   1.64   1.63  34.84  27.87   22.7  0.060  1458.8
 150.0   1.67   1.66  34.85  27.88   22.0  0.062  1459.1
 160.0   1.67   1.67  34.85  27.88   22.4  0.064  1459.3
 170.0   1.68   1.67  34.87  27.89   21.1  0.066  1459.5
 180.0   1.66   1.65  34.86  27.89   21.3  0.068  1459.6
 190.0   1.76   1.75  34.88  27.89   21.1  0.071  1460.2
 200.0   1.85   1.84  34.90  27.91   19.9  0.073  1460.8
 210.0   1.84   1.83  34.91  27.91   19.4  0.075  1460.9
 220.0   1.84   1.83  34.92  27.92   18.9  0.077  1461.1
 230.0   1.83   1.81  34.92  27.92   18.3  0.078  1461.2
 240.0   1.78   1.77  34.92  27.93   18.1  0.080  1461.2
 250.0   1.68   1.67  34.92  27.93   17.5  0.082  1460.9
 260.0   1.58   1.57  34.92  27.94   16.4  0.084  1460.6
 270.0   1.54   1.53  34.92  27.94   16.4  0.085  1460.6
 280.0   1.41   1.39  34.92  27.96   15.2  0.087  1460.2
 290.0   1.36   1.34  34.92  27.95   15.4  0.089  1460.1
 300.0   1.32   1.30  34.92  27.96   15.1  0.090  1460.1

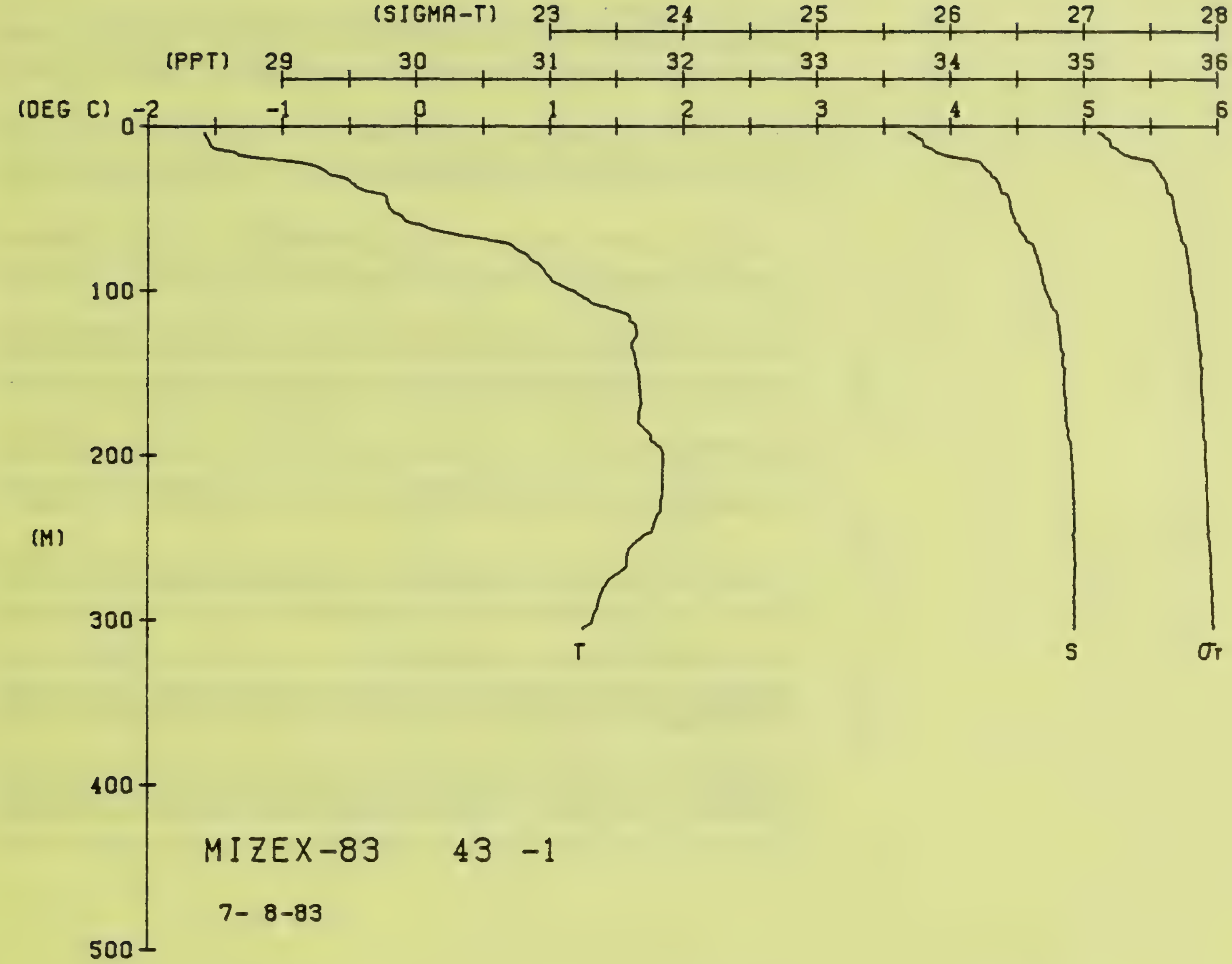
                       DEPTH      TEMP.       SALIN
```

```
MIZEX-83 STATION  44(1) CTD   8/JUL/1983 2119 GMT  CODE = 1
LAT = 81.2200N LNG =  -6.8200W LTER =    150. LGER =    150.
AIR TEMP =   0.0 BAROM =      0.0 WIND =    0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.51  -1.51  32.15  25.86  213.1  0.000  1438.3
   2.7  -1.51  -1.51  32.15  25.86  213.1  0.006  1438.3
   5.0  -1.31  -1.31  32.65  26.26  175.4  0.010  1440.0
  10.0  -0.86  -0.86  33.26  26.74  129.6  0.018  1443.1
  15.0  -1.42  -1.42  33.94  27.31   75.3  0.023  1441.5
  20.0  -1.40  -1.40  34.09  27.43   64.0  0.027  1441.9
  25.0  -1.52  -1.52  34.29  27.59   48.5  0.030  1441.7
  30.0  -1.61  -1.61  34.31  27.61   46.4  0.032  1441.3
  35.0  -1.53  -1.53  34.34  27.64   44.3  0.034  1441.8
  40.0  -1.45  -1.45  34.37  27.66   42.3  0.036  1442.3
  45.0  -1.31  -1.32  34.39  27.67   40.8  0.039  1443.1
  50.0  -1.11  -1.11  34.44  27.70   37.9  0.041  1444.2
  55.0  -1.19  -1.19  34.44  27.71   37.4  0.042  1443.9
  60.0  -0.55  -0.55  34.49  27.72   36.5  0.044  1447.1
  65.0   0.35   0.35  34.47  27.66   42.1  0.046  1451.3
  70.0   1.56   1.56  34.63  27.71   38.0  0.048  1457.0
  75.0   1.58   1.57  34.74  27.80   29.7  0.050  1457.3
  80.0   1.59   1.58  34.74  27.79   29.9  0.052  1457.4
  85.0   1.59   1.59  34.74  27.80   29.7  0.053  1457.5
  90.0   1.60   1.59  34.75  27.80   29.3  0.055  1457.6
  95.0   1.68   1.68  34.72  27.77   31.8  0.056  1458.1
 100.0   1.89   1.88  34.78  27.81   28.7  0.058  1459.1
 110.0   2.08   2.07  34.82  27.82   27.6  0.060  1460.2
 120.0   1.64   1.63  34.76  27.80   29.1  0.063  1458.3
 130.0   1.73   1.72  34.82  27.85   25.0  0.066  1459.0
 140.0   1.92   1.91  34.83  27.85   25.4  0.069  1460.0
 150.0   2.42   2.41  34.90  27.86   24.2  0.071  1462.4
 160.0   2.50   2.49  34.89  27.84   25.7  0.074  1462.9
 170.0   2.20   2.19  34.87  27.85   24.8  0.076  1461.8
 180.0   2.21   2.20  34.89  27.87   23.4  0.079  1462.0
 190.0   2.23   2.22  34.92  27.89   21.3  0.081  1462.3
 200.0   2.18   2.17  34.91  27.89   21.7  0.083  1462.3
 210.0   2.27   2.26  34.93  27.89   21.3  0.085  1462.8
 220.0   2.27   2.26  34.94  27.90   20.9  0.087  1463.0
 230.0   2.20   2.19  34.93  27.90   20.8  0.090  1462.8
 240.0   2.19   2.17  34.94  27.91   19.9  0.092  1463.0
 250.0   2.15   2.14  34.94  27.91   19.9  0.094  1463.0
 260.0   2.15   2.14  34.94  27.91   19.6  0.096  1463.1
 270.0   2.07   2.05  34.94  27.92   18.8  0.098  1462.9
 280.0   2.03   2.01  34.95  27.93   18.5  0.099  1462.9
 290.0   2.01   1.99  34.94  27.93   18.6  0.101  1463.0
 297.2   1.99   1.97  34.95  27.93   17.7  0.103  1463.1

                       DEPTH      TEMP.       SALIN
```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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 43 -1
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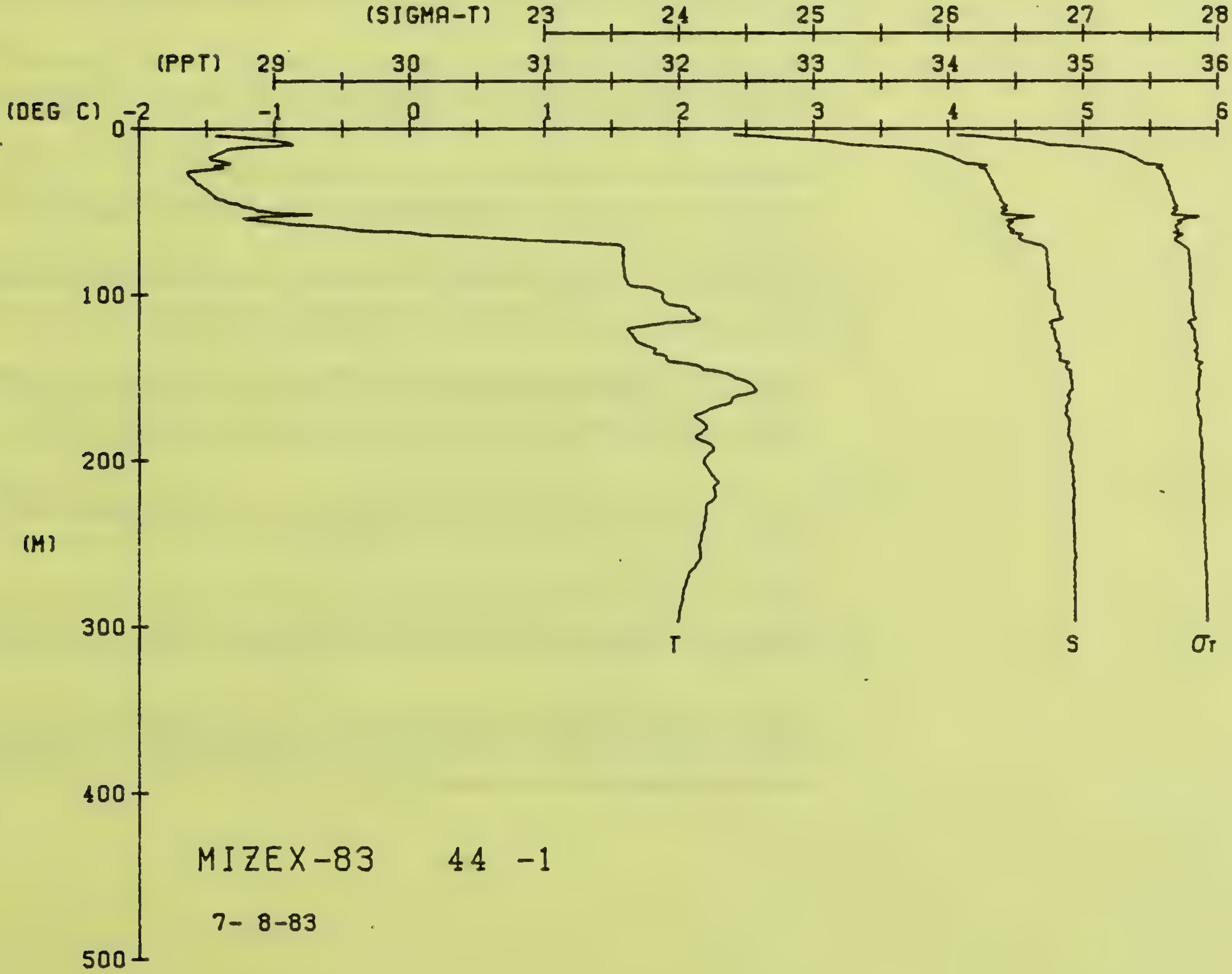

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 44 -1
7- 8-83

C

```
MIZEX-83 STATION  45(1) CTD   8/JUL/1983 2202 GMT  CODE = 1
LAT = 81.4600N LNG =  -6.8400W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.60   -1.60   33.81   27.21    84.9   0.000   1440.2
   4.2   -1.60   -1.60   33.81   27.21    84.9   0.004   1440.3
   5.0   -1.60   -1.60   33.83   27.22    83.6   0.004   1440.3
  10.0   -1.61   -1.61   33.89   27.27    78.9   0.008   1440.4
  15.0   -1.65   -1.65   34.07   27.42    64.8   0.012   1440.6
  20.0   -1.67   -1.67   34.18   27.51    56.3   0.015   1440.7
  25.0   -1.66   -1.66   34.19   27.52    55.1   0.018   1440.9
  30.0   -1.65   -1.65   34.22   27.55    52.9   0.021   1441.0
  35.0   -1.61   -1.61   34.29   27.60    48.1   0.023   1441.4
  40.0   -1.54   -1.54   34.32   27.62    45.7   0.026   1441.9
  45.0   -1.43   -1.43   34.38   27.67    41.2   0.028   1442.6
  50.0   -1.36   -1.36   34.42   27.70    38.4   0.030   1443.0
  55.0   -1.29   -1.29   34.45   27.72    36.7   0.032   1443.5
  60.0   -0.92   -0.92   34.47   27.72    36.4   0.034   1445.3
  65.0   -0.61   -0.61   34.49   27.72    36.3   0.035   1446.9
  70.0   -0.29   -0.29   34.50   27.72    36.6   0.037   1448.4
  75.0    0.04    0.04   34.56   27.75    34.0   0.039   1450.1
  80.0   -0.03   -0.04   34.58   27.77    32.2   0.041   1449.9
  85.0    0.15    0.15   34.58   27.76    33.2   0.042   1450.8
  90.0    0.74    0.74   34.64   27.78    31.3   0.044   1453.7
  95.0    1.06    1.06   34.69   27.79    30.0   0.045   1455.3
 100.0    1.17    1.17   34.71   27.80    28.9   0.047   1455.8
 110.0    1.38    1.38   34.76   27.83    26.6   0.050   1457.0
 120.0    1.58    1.58   34.80   27.85    25.1   0.052   1458.1
 130.0    1.83    1.83   34.85   27.87    23.4   0.055   1459.5
 140.0    1.99    1.98   34.88   27.87    22.7   0.057   1460.4
 150.0    2.11    2.11   34.90   27.88    22.2   0.059   1461.1
 160.0    2.12    2.11   34.91   27.89    21.4   0.062   1461.3
 170.0    2.12    2.11   34.92   27.90    20.8   0.064   1461.5
 180.0    2.09    2.07   34.91   27.89    21.0   0.066   1461.5
 190.0    2.05    2.04   34.92   27.91    20.0   0.068   1461.5
 200.0    2.05    2.04   34.92   27.91    20.1   0.070   1461.7
 210.0    2.03    2.02   34.93   27.91    19.4   0.072   1461.8
 220.0    2.01    2.00   34.93   27.92    19.0   0.074   1461.9
 230.0    1.99    1.98   34.93   27.92    19.0   0.076   1461.9
 240.0    1.98    1.96   34.93   27.92    19.2   0.078   1462.0
 250.0    1.96    1.95   34.93   27.92    18.7   0.080   1462.1
 260.0    1.94    1.92   34.93   27.92    19.1   0.082   1462.2
 270.0    1.88    1.87   34.94   27.93    17.6   0.083   1462.1
 280.0    1.78    1.77   34.93   27.94    17.4   0.085   1461.9
 290.0    1.72    1.71   34.94   27.95    16.3   0.087   1461.8

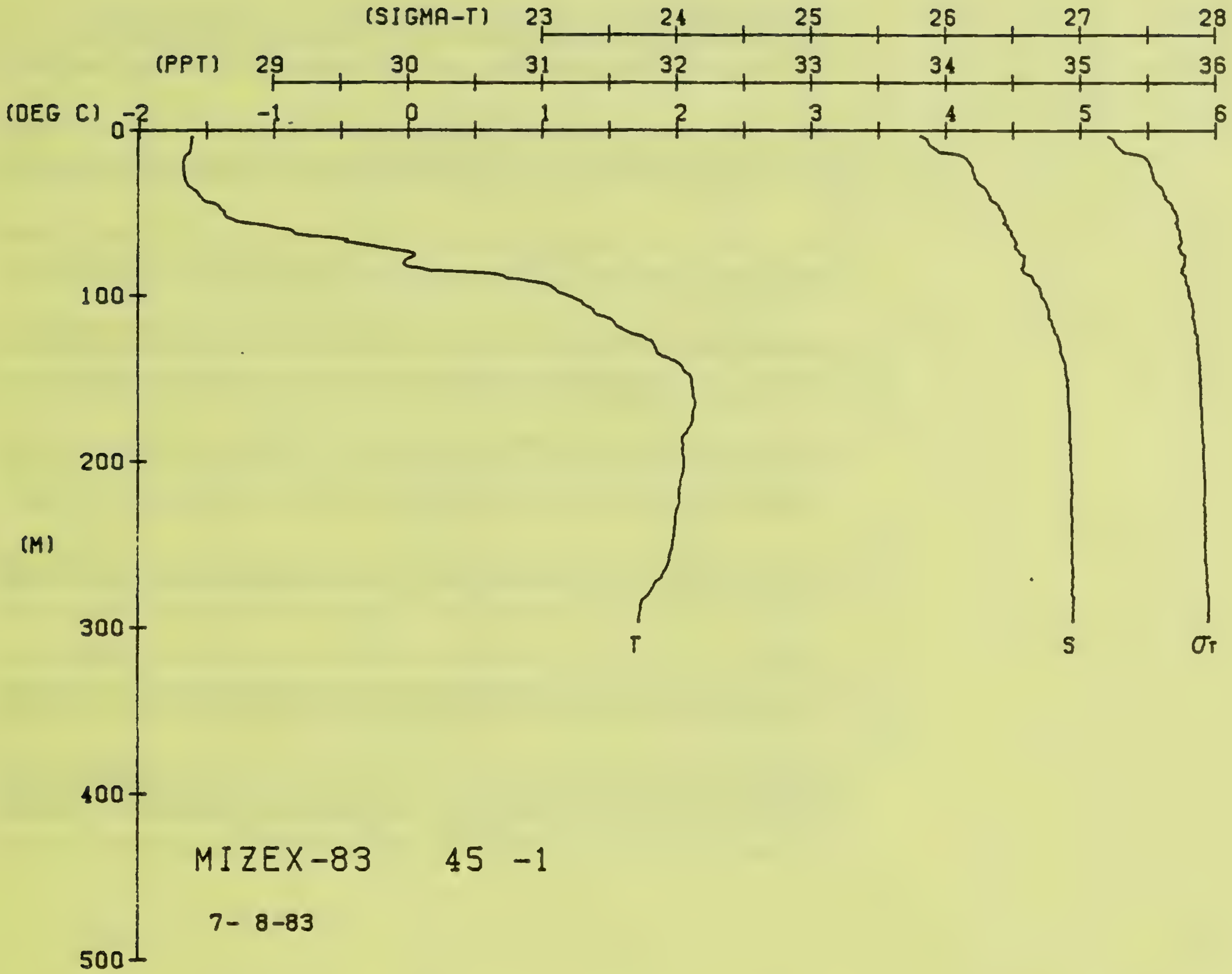

                         DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  46(1) CTD   8/JUL/1983 2253 GMT  CODE = 1
LAT = 81.4500N LNG =  -8.4600W LTER =    150. LGER =    150.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.60   -1.60   33.79   27.19    86.5   0.000   1440.2
  3.9   -1.60   -1.60   33.79   27.19    86.5   0.003   1440.2
  5.0   -1.60   -1.60   33.78   27.18    87.6   0.004   1440.2
 10.0   -1.60   -1.60   33.82   27.21    84.5   0.009   1440.4
 15.0   -1.60   -1.60   33.90   27.28    78.4   0.013   1440.6
 20.0   -1.60   -1.60   33.95   27.32    73.9   0.017   1440.7
 25.0   -1.66   -1.66   34.10   27.44    62.6   0.020   1440.7
 30.0   -1.69   -1.69   34.15   27.48    58.7   0.023   1440.8
 35.0   -1.63   -1.63   34.22   27.54    53.5   0.026   1441.2
 40.0   -1.59   -1.59   34.24   27.55    52.1   0.029   1441.5
 45.0   -1.44   -1.44   34.26   27.57    50.3   0.031   1442.4
 50.0   -1.36   -1.36   34.27   27.58    49.8   0.034   1442.8
 55.0   -0.87   -0.87   34.30   27.58    49.3   0.036   1445.2
 60.0   -0.44   -0.44   34.40   27.65    43.4   0.039   1447.4
 65.0   -0.31   -0.31   34.44   27.67    41.2   0.041   1448.2
 70.0    0.05    0.05   34.48   27.68    40.3   0.043   1450.0
 75.0    0.14    0.14   34.50   27.70    38.5   0.045   1450.5
 80.0    0.42    0.41   34.54   27.71    37.5   0.047   1451.9
 85.0    0.62    0.61   34.56   27.72    36.9   0.049   1452.9
 90.0    1.08    1.08   34.61   27.73    36.0   0.051   1455.2
 95.0    1.27    1.27   34.65   27.75    34.4   0.052   1456.1
100.0    1.36    1.36   34.68   27.76    32.9   0.054   1456.7
110.0    1.54    1.54   34.72   27.79    30.7   0.057   1457.7
120.0    1.72    1.72   34.76   27.80    29.3   0.060   1458.7
130.0    1.87    1.86   34.80   27.82    27.9   0.063   1459.6
140.0    1.99    1.98   34.83   27.84    26.2   0.066   1460.3
150.0    2.07    2.06   34.85   27.84    25.6   0.069   1460.8
160.0    2.14    2.14   34.87   27.85    24.7   0.071   1461.4
170.0    2.17    2.16   34.88   27.86    23.8   0.073   1461.7
180.0    2.24    2.23   34.90   27.88    22.9   0.076   1462.2
190.0    2.24    2.23   34.91   27.88    22.2   0.078   1462.3
200.0    2.23    2.22   34.92   27.89    22.0   0.080   1462.5
210.0    2.24    2.23   34.92   27.89    22.1   0.083   1462.7
220.0    2.22    2.20   34.93   27.90    20.8   0.085   1462.8
230.0    2.21    2.20   34.93   27.90    20.9   0.087   1462.9
240.0    2.23    2.21   34.94   27.91    20.1   0.089   1463.2
250.0    2.18    2.17   34.94   27.91    20.0   0.091   1463.1
260.0    2.18    2.17   34.94   27.91    19.8   0.093   1463.3
270.0    2.14    2.13   34.95   27.92    19.3   0.095   1463.3
280.0    2.13    2.12   34.94   27.92    19.5   0.097   1463.4
290.0    2.09    2.07   34.95   27.92    18.9   0.099   1463.4
300.0    1.95    1.94   34.94   27.93    18.3   0.101   1463.0
303.2    1.92    1.91   34.94   27.93    17.9   0.101   1462.9

                        DEPTH        TEMP.        SALIN
```



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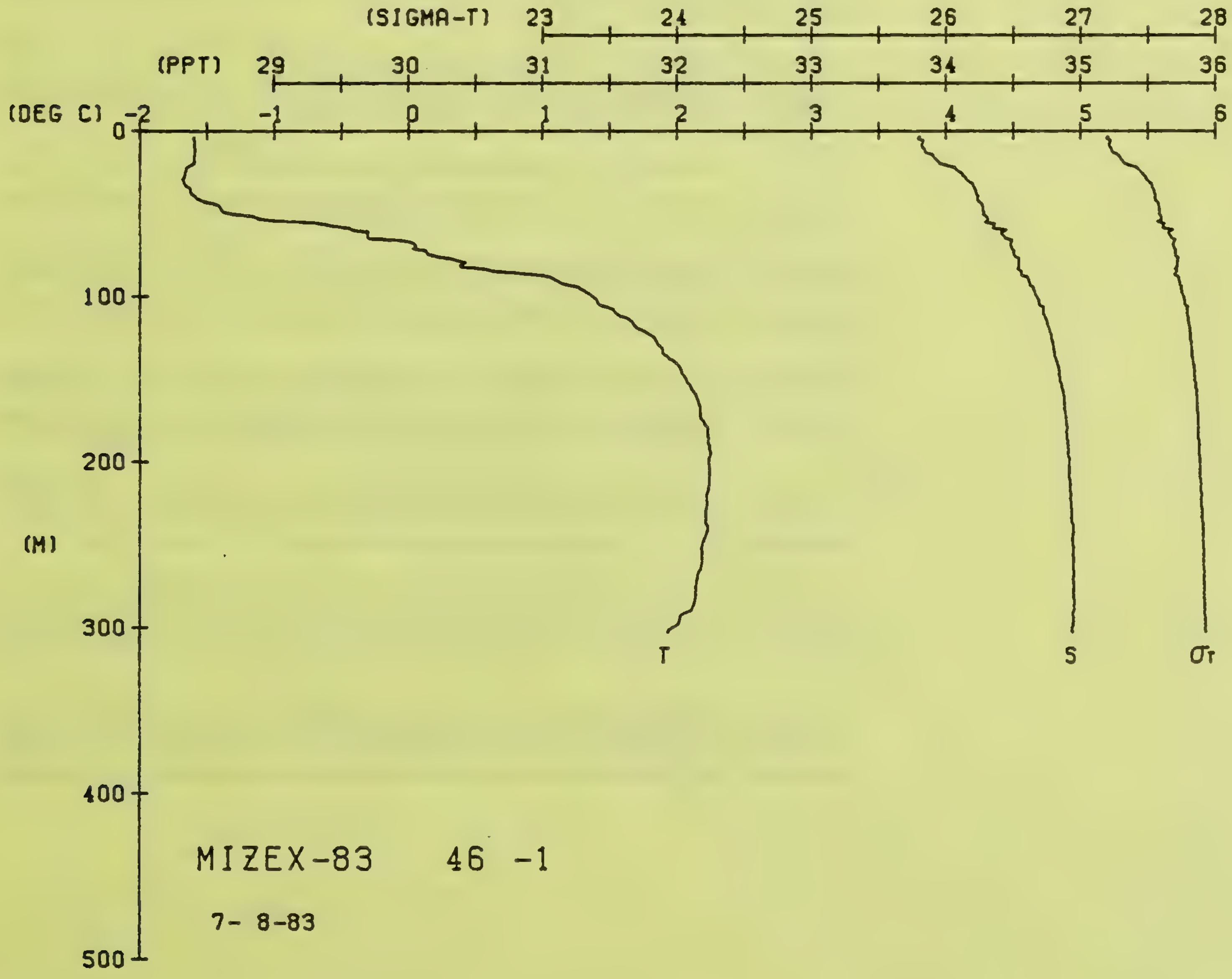

MIZEX-83 46 -1

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MIZEX-83 STATION  47(1) CTD  11/JUL/1983 1356 GMT  CODE = 1
LAT = 80.3667N LNG =  -2.9717W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.49    0.49   32.14   25.78   220.9   0.000   1447.5
   3.2    0.49    0.48   32.14   25.78   220.9   0.007   1447.6
   5.0    0.84    0.84   32.18   25.79   219.6   0.011   1449.3
  10.0    1.58    1.58   32.71   26.17   183.9   0.021   1453.4
  15.0   -0.15   -0.15   33.23   26.69   134.6   0.029   1446.4
  20.0    2.90    2.90   34.02   27.11    94.4   0.035   1461.2
  25.0    3.63    3.63   34.63   27.53    54.5   0.039   1465.2
  30.0    3.88    3.88   34.72   27.58    50.3   0.042   1466.5
  35.0    3.70    3.70   34.93   27.76    32.8   0.044   1466.1
  40.0    3.53    3.53   34.86   27.72    36.6   0.045   1465.3
  45.0    3.56    3.55   34.89   27.75    34.5   0.047   1465.6
  50.0    3.33    3.32   34.91   27.78    31.4   0.049   1464.7
  55.0    3.31    3.31   34.91   27.78    31.2   0.051   1464.7
  60.0    3.21    3.21   34.91   27.80    29.8   0.052   1464.4
  65.0    3.19    3.19   34.90   27.79    30.4   0.054   1464.4
  70.0    3.20    3.20   34.92   27.80    29.4   0.055   1464.5
  75.0    3.15    3.14   34.93   27.81    28.3   0.057   1464.4
  80.0    3.07    3.07   34.92   27.82    28.0   0.058   1464.1
  85.0    3.06    3.06   34.94   27.83    26.7   0.059   1464.2
  90.0    3.02    3.01   34.95   27.85    25.4   0.061   1464.1
  95.0    2.98    2.98   34.95   27.85    25.3   0.062   1464.0
 100.0    2.83    2.83   34.95   27.86    24.1   0.063   1463.5
 110.0    2.71    2.71   34.93   27.85    24.7   0.066   1463.1
 120.0    2.70    2.70   34.95   27.87    22.8   0.068   1463.3
 130.0    2.64    2.63   34.95   27.88    22.5   0.070   1463.1
 140.0    2.49    2.48   34.94   27.88    22.0   0.073   1462.6
 150.0    2.35    2.35   34.93   27.89    21.8   0.075   1462.2
 160.0    2.32    2.31   34.94   27.90    20.5   0.077   1462.2
 170.0    2.24    2.23   34.93   27.90    20.9   0.079   1462.0
 180.0    2.22    2.21   34.94   27.91    20.0   0.081   1462.1
 190.0    2.16    2.15   34.94   27.91    19.2   0.083   1462.0
 200.0    2.11    2.10   34.95   27.92    18.5   0.085   1462.0
 210.0    2.08    2.06   34.95   27.92    18.5   0.087   1462.0
 220.0    2.05    2.04   34.95   27.93    18.0   0.089   1462.1
 230.0    2.01    2.00   34.96   27.94    17.1   0.091   1462.1
 240.0    1.99    1.98   34.96   27.94    16.8   0.092   1462.2
 250.0    1.98    1.97   34.96   27.94    17.0   0.094   1462.3
 260.0    1.99    1.97   34.96   27.94    16.7   0.096   1462.5
 270.0    1.97    1.95   34.96   27.94    16.7   0.097   1462.5
 280.0    1.92    1.91   34.96   27.95    16.2   0.099   1462.5
 290.0    1.91    1.89   34.97   27.96    15.5   0.101   1462.6
 300.0    1.90    1.88   34.96   27.95    16.2   0.102   1462.7
 301.7    1.90    1.88   34.97   27.95    16.0   0.103   1462.8

                         DEPTH       TEMP.       SALIN
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MIZEX-83 STATION  48(1) CTD  11/JUL/1983 1436 GMT  CODE = 1
LAT = 80.3733N LNG =  -2.3550W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.07   -1.07   32.18   25.87   211.8   *****   1440.4
  1.9   -1.07   -1.07   32.18   25.87   211.8   *****   1440.4
  5.0   -1.06   -1.06   32.23   25.91   208.0   *****   1440.6
 10.0   -1.24   -1.24   32.43   26.07   192.5   *****   1440.1
 15.0   -1.55   -1.55   32.81   26.39   162.5   *****   1439.2
 20.0   -1.54   -1.54   33.55   27.00   105.0   *****   1440.4
 25.0   -1.69   -1.69   33.98   27.35    71.7   *****   1440.4
 30.0   -1.75   -1.75   34.06   27.42    65.1   *****   1440.3
 35.0   -1.72   -1.72   34.10   27.44    62.5   *****   1440.6
 40.0   -1.61   -1.61   34.15   27.48    58.7   *****   1441.3
 45.0   -1.69   -1.69   34.17   27.50    56.8   *****   1441.0
 50.0   -1.42   -1.42   34.19   27.51    55.8   *****   1442.4
 55.0   -1.11   -1.11   34.26   27.56    51.8   *****   1444.0
 60.0   -0.66   -0.66   34.31   27.58    49.7   *****   1446.3
 65.0   -0.30   -0.31   34.45   27.68    40.6   *****   1448.2
 70.0    0.05    0.04   34.53   27.72    36.2   *****   1450.0
 75.0    0.16    0.16   34.53   27.72    36.3   *****   1450.6
 80.0    0.34    0.34   34.54   27.72    36.8   *****   1451.5
 85.0    0.59    0.59   34.63   27.78    31.2   *****   1452.9
 90.0    0.80    0.80   34.63   27.76    33.2   *****   1453.9
 95.0    1.10    1.10   34.70   27.79    29.8   *****   1455.4
100.0    1.20    1.19   34.74   27.82    27.2   *****   1456.0
110.0    1.56    1.55   34.79   27.84    25.6   *****   1457.9
120.0    1.70    1.69   34.82   27.86    24.3   *****   1458.7
130.0    2.01    2.00   34.86   27.86    24.1   *****   1460.3
140.0    1.96    1.95   34.87   27.87    22.9   *****   1460.2
150.0    1.90    1.89   34.87   27.88    22.3   *****   1460.1
160.0    1.87    1.87   34.89   27.89    21.2   *****   1460.2
170.0    1.92    1.91   34.90   27.90    20.6   *****   1460.6
180.0    1.91    1.90   34.90   27.90    20.5   *****   1460.7
190.0    1.96    1.95   34.91   27.91    19.8   *****   1461.1
200.0    1.97    1.96   34.93   27.92    18.5   *****   1461.3
210.0    1.88    1.87   34.92   27.92    18.9   *****   1461.1
220.0    2.06    2.05   34.95   27.93    17.9   *****   1462.1
230.0    1.91    1.89   34.93   27.93    18.1   *****   1461.6
240.0    1.82    1.81   34.92   27.92    18.3   *****   1461.3
250.0    1.68    1.66   34.92   27.93    17.5   *****   1460.9
256.8    1.61    1.59   34.91   27.93    17.6   *****   1460.6
260.0
269.8    1.64    1.62   34.94   27.95    16.0   *****   1461.0
270.0    1.64    1.63   34.93   27.95    16.4   *****   1461.0
280.0    1.56    1.54   34.93   27.95    15.7   *****   1460.9
290.0    1.68    1.66   34.95   27.95    15.6   *****   1461.6
292.8    1.69    1.68   34.94   27.95    16.5   *****   1461.7

                        DEPTH       TEMP.       SALIN
```

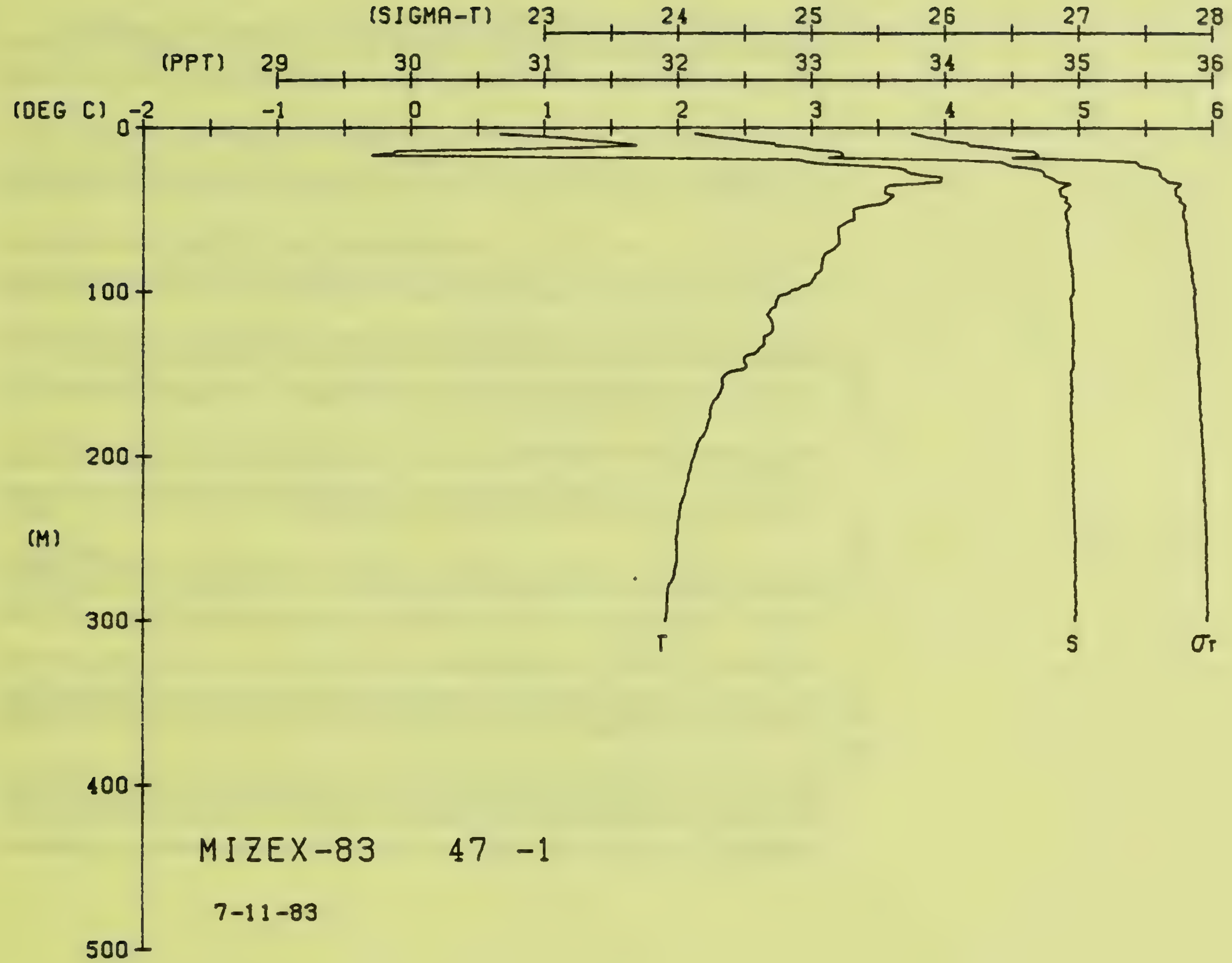

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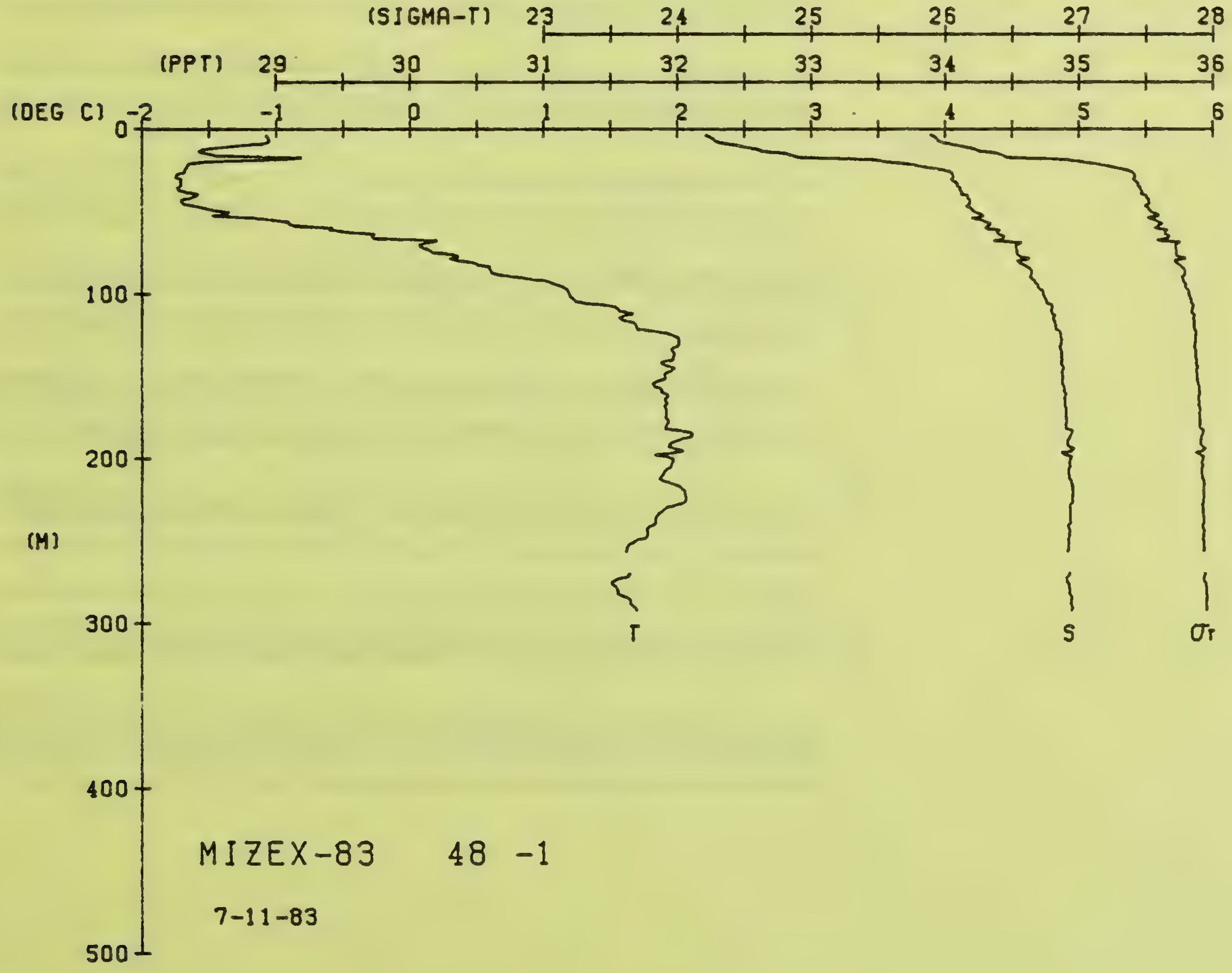

MIZEX-83 48 -1

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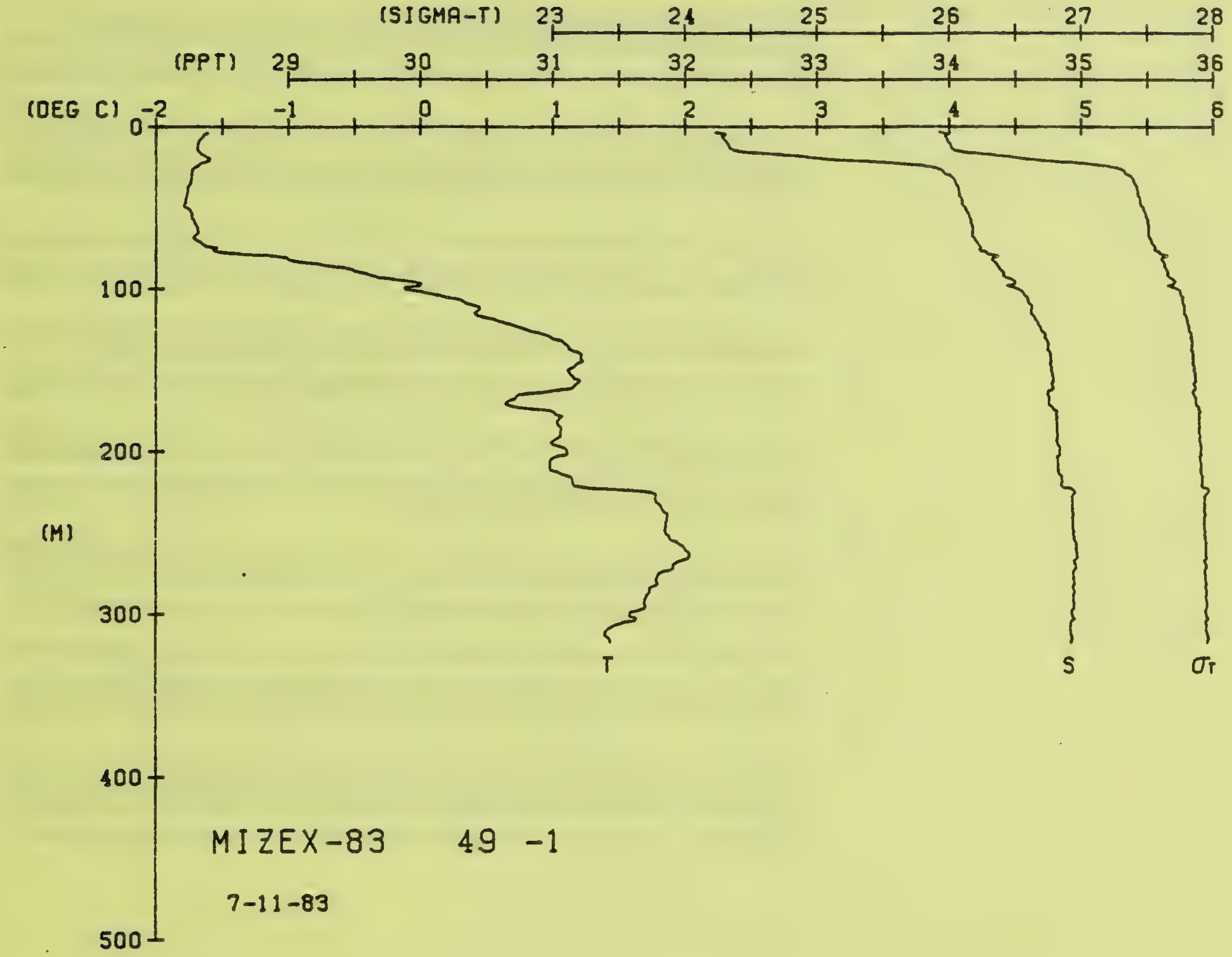
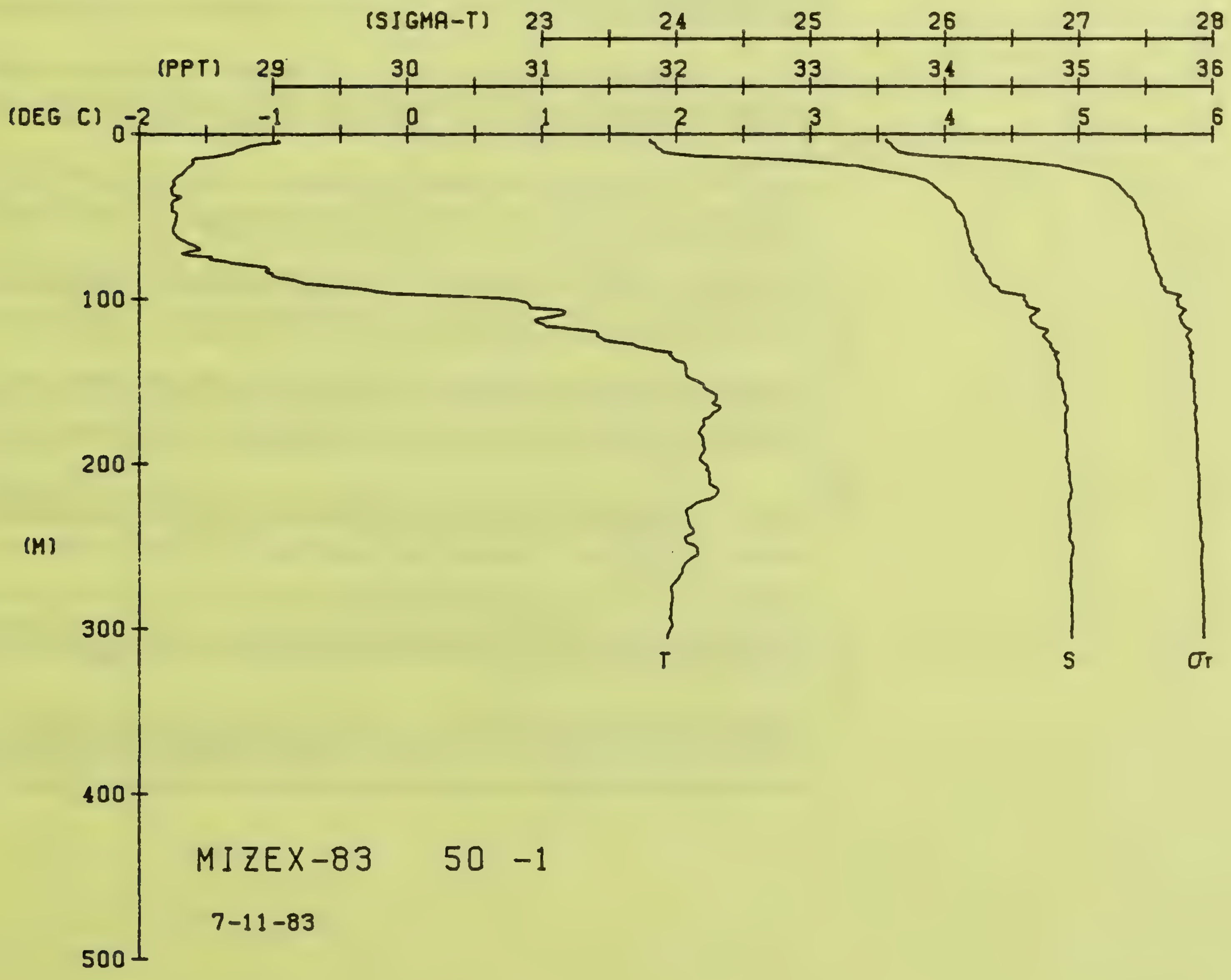
```
MIZEX-83 STATION  49(1) CTD  11/JUL/1983 1523 GMT  CODE = 1
LAT = 80.3600N LNG =  -1.7300W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.18   -1.18   31.66   25.45   251.8   0.000   1439.1
   1.9   -1.18   -1.18   31.66   25.45   251.8   0.005   1439.2
   5.0   -1.64   -1.64   32.29   25.97   202.2   0.012   1437.9
  10.0   -1.68   -1.68   32.31   25.99   200.3   0.022   1437.8
  15.0   -1.69   -1.69   32.36   26.03   196.6   0.032   1438.0
  20.0   -1.59   -1.59   32.99   26.54   148.1   0.041   1439.4
  25.0   -1.69   -1.69   33.78   27.19    86.8   0.047   1440.1
  30.0   -1.73   -1.73   33.97   27.34    72.0   0.051   1440.3
  35.0   -1.75   -1.75   34.04   27.40    66.6   0.054   1440.4
  40.0   -1.77   -1.77   34.08   27.43    64.0   0.058   1440.4
  45.0   -1.78   -1.78   34.09   27.44    62.9   0.061   1440.5
  50.0   -1.78   -1.79   34.11   27.46    60.9   0.064   1440.6
  55.0   -1.73   -1.73   34.14   27.48    58.8   0.067   1441.0
  60.0   -1.70   -1.71   34.16   27.50    57.3   0.070   1441.2
  65.0   -1.68   -1.68   34.17   27.51    56.5   0.073   1441.4
  70.0   -1.70   -1.70   34.20   27.53    54.2   0.076   1441.4
  75.0   -1.55   -1.55   34.25   27.56    51.1   0.078   1442.3
  80.0   -1.17   -1.17   34.37   27.65    43.2   0.081   1444.3
  85.0   -0.79   -0.80   34.36   27.63    44.9   0.083   1446.2
  90.0   -0.49   -0.49   34.41   27.65    42.7   0.085   1447.7
  95.0   -0.18   -0.18   34.48   27.70    38.7   0.087   1449.3
 100.0   -0.13   -0.14   34.49   27.70    38.2   0.089   1449.6
 110.0    0.35    0.35   34.61   27.77    31.8   0.093   1452.2
 120.0    0.56    0.56   34.67   27.81    28.5   0.096   1453.4
 130.0    0.97    0.96   34.72   27.82    27.3   0.099   1455.4
 140.0    1.19    1.18   34.76   27.84    25.3   0.101   1456.7
 150.0    1.12    1.11   34.76   27.85    24.8   0.104   1456.5
 160.0    1.16    1.15   34.78   27.86    23.9   0.106   1456.9
 170.0    0.64    0.64   34.75   27.86    23.1   0.109   1454.7
 180.0    1.06    1.05   34.81   27.89    21.4   0.111   1456.8
 190.0    1.05    1.04   34.81   27.89    20.7   0.113   1456.9
 200.0    1.11    1.10   34.83   27.90    19.7   0.115   1457.4
 210.0    0.97    0.96   34.82   27.90    19.9   0.117   1456.9
 220.0    1.15    1.14   34.85   27.91    19.0   0.119   1457.9
 230.0    1.77    1.76   34.93   27.93    17.5   0.121   1461.0
 240.0    1.86    1.85   34.93   27.93    18.0   0.123   1461.5
 250.0    1.85    1.83   34.93   27.93    18.0   0.124   1461.6
 260.0    1.99    1.97   34.96   27.94    17.1   0.126   1462.5
 270.0    1.90    1.89   34.96   27.94    16.6   0.128   1462.2
 280.0    1.77    1.76   34.94   27.94    17.2   0.130   1461.8
 290.0    1.70    1.68   34.94   27.94    16.6   0.131   1461.6
 300.0    1.57    1.55   34.92   27.94    17.0   0.133   1461.2
 310.0    1.40    1.39   34.91   27.94    16.5   0.135   1460.6

                         DEPTH         TEMP.         SALIN
```

```
MIZEX-83 STATION  50(1) CTD  11/JUL/1983 1609 GMT  CODE = 1
LAT = 80.3617N LNG =  -1.0567W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.96   -0.96   31.80   25.56   241.4   0.000   1440.4
   1.9   -0.96   -0.96   31.80   25.56   241.4   0.005   1440.4
   5.0   -0.95   -0.95   31.81   25.57   240.5   0.012   1440.5
  10.0   -1.27   -1.27   31.88   25.63   234.3   0.024   1439.2
  15.0   -1.59   -1.59   32.55   26.18   182.4   0.035   1438.7
  20.0   -1.64   -1.64   33.36   26.85   119.2   0.042   1439.7
  25.0   -1.70   -1.70   33.69   27.11    93.8   0.048   1440.0
  30.0   -1.75   -1.75   33.89   27.28    78.4   0.052   1440.1
  35.0   -1.76   -1.76   33.96   27.34    72.7   0.056   1440.3
  40.0   -1.73   -1.73   34.05   27.40    66.2   0.059   1440.6
  45.0   -1.75   -1.75   34.08   27.43    63.4   0.063   1440.6
  50.0   -1.72   -1.72   34.14   27.48    59.2   0.066   1440.9
  55.0   -1.74   -1.74   34.15   27.49    58.2   0.069   1440.9
  60.0   -1.75   -1.75   34.17   27.50    56.8   0.072   1441.0
  65.0   -1.67   -1.67   34.18   27.51    56.1   0.075   1441.5
  70.0   -1.55   -1.55   34.20   27.52    54.8   0.077   1442.1
  75.0   -1.45   -1.45   34.24   27.55    52.3   0.080   1442.7
  80.0   -1.17   -1.17   34.28   27.58    49.8   0.083   1444.2
  85.0   -1.00   -1.00   34.31   27.60    48.0   0.085   1445.1
  90.0   -0.80   -0.81   34.34   27.61    46.5   0.087   1446.2
  95.0   -0.30   -0.31   34.40   27.63    44.6   0.090   1448.6
 100.0    0.71    0.71   34.58   27.73    36.0   0.092   1453.6
 110.0    1.14    1.14   34.65   27.75    33.8   0.095   1455.8
 120.0    1.37    1.36   34.76   27.83    26.4   0.098   1457.1
 130.0    1.74    1.73   34.80   27.83    26.6   0.101   1459.0
 140.0    2.07    2.06   34.85   27.84    25.7   0.104   1460.7
 150.0    2.16    2.15   34.88   27.86    23.9   0.106   1461.3
 160.0    2.30    2.29   34.90   27.87    23.7   0.109   1462.1
 170.0    2.27    2.26   34.90   27.87    23.3   0.111   1462.1
 180.0    2.17    2.16   34.90   27.88    22.6   0.113   1461.8
 190.0    2.21    2.19   34.92   27.89    21.6   0.116   1462.2
 200.0    2.21    2.20   34.93   27.90    21.0   0.118   1462.4
 210.0    2.25    2.24   34.94   27.90    20.5   0.120   1462.8
 220.0    2.28    2.27   34.94   27.90    20.5   0.122   1463.1
 230.0    2.07    2.06   34.93   27.91    19.8   0.124   1462.3
 240.0    2.13    2.11   34.94   27.91    19.6   0.126   1462.7
 250.0    2.14    2.13   34.96   27.93    18.1   0.128   1463.0
 260.0    2.07    2.06   34.94   27.92    19.0   0.130   1462.8
 270.0    2.02    2.00   34.94   27.92    18.9   0.132   1462.7
 280.0    1.97    1.96   34.95   27.94    17.5   0.133   1462.7
 290.0    1.96    1.94   34.95   27.94    17.5   0.135   1462.8
 300.0    1.96    1.94   34.96   27.94    17.1   0.137   1463.0
 306.4    1.93    1.91   34.96   27.94    17.0   0.138   1463.0

                         DEPTH         TEMP.         SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 49 -1
7-11-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 50 -1
7-11-83

```
MIZEX-83 STATION  51(1) CTD  11/JUL/1983 1650 GMT  CODE = 1
LAT = 80. 3700N LNG =  -0. 4250W LTER =   300.  LGER =   300.
AIR TEMP =    0. 0 BAROM =    0. 0 WIND =   0. 0 SPEED =   0. 0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0  -0. 98  -0. 98  31. 66  25. 44  252. 7  0. 000  1440. 1
   1. 9  -0. 98  -0. 98  31. 66  25. 44  252. 7  0. 005  1440. 1
   5. 0  -0. 91  -0. 91  31. 67  25. 45  252. 1  0. 013  1440. 5
  10. 0  -1. 13  -1. 13  31. 68  25. 47  250. 0  0. 025  1439. 6
  15. 0  -1. 37  -1. 37  32. 05  25. 77  221. 0  0. 037  1439. 0
  20. 0  -1. 42  -1. 42  32. 39  26. 05  194. 9  0. 048  1439. 4
  25. 0  -1. 61  -1. 61  33. 33  26. 82  121. 7  0. 056  1439. 9
  30. 0  -1. 65  -1. 65  33. 70  27. 12   93. 5  0. 061  1440. 3
  35. 0  -1. 70  -1. 70  33. 91  27. 29   77. 2  0. 066  1440. 4
  40. 0  -1. 68  -1. 68  34. 03  27. 39   67. 9  0. 069  1440. 8
  45. 0  -1. 75  -1. 75  34. 09  27. 44   63. 1  0. 073  1440. 6
  50. 0  -1. 76  -1. 76  34. 10  27. 45   61. 9  0. 076  1440. 7
  55. 0  -1. 76  -1. 76  34. 12  27. 47   60. 2  0. 079  1440. 8
  60. 0  -1. 75  -1. 76  34. 15  27. 49   58. 3  0. 082  1440. 9
  65. 0  -1. 76  -1. 76  34. 15  27. 49   58. 0  0. 085  1441. 0
  70. 0  -1. 75  -1. 75  34. 16  27. 50   56. 9  0. 088  1441. 1
  75. 0  -1. 73  -1. 73  34. 18  27. 52   55. 5  0. 091  1441. 3
  80. 0  -1. 64  -1. 64  34. 19  27. 52   54. 8  0. 093  1441. 9
  85. 0  -1. 48  -1. 48  34. 23  27. 55   52. 5  0. 096  1442. 8
  90. 0  -1. 35  -1. 35  34. 25  27. 56   51. 5  0. 099  1443. 5
  95. 0  -1. 10  -1. 10  34. 28  27. 57   50. 2  0. 101  1444. 8
 100. 0  -1. 05  -1. 05  34. 32  27. 61   46. 9  0. 104  1445. 2
 110. 0  -0. 43  -0. 43  34. 45  27. 68   39. 8  0. 108  1448. 4
 120. 0   0. 32   0. 32  34. 54  27. 72   36. 7  0. 112  1452. 1
 130. 0   0. 84   0. 83  34. 69  27. 81   28. 4  0. 115  1454. 8
 140. 0   1. 22   1. 21  34. 73  27. 82   27. 8  0. 118  1456. 7
 150. 0   1. 60   1. 59  34. 79  27. 83   26. 3  0. 121  1458. 7
 160. 0   1. 84   1. 83  34. 83  27. 85   25. 2  0. 123  1460. 0
 170. 0   1. 93   1. 92  34. 85  27. 86   24. 3  0. 126  1460. 5
 180. 0   2. 05   2. 04  34. 87  27. 87   23. 6  0. 128  1461. 3
 190. 0   2. 12   2. 11  34. 90  27. 88   22. 4  0. 131  1461. 8
 200. 0   2. 12   2. 11  34. 90  27. 88   22. 4  0. 133  1462. 0
 210. 0   2. 10   2. 08  34. 91  27. 89   21. 4  0. 135  1462. 0
 220. 0   2. 09   2. 08  34. 92  27. 90   21. 0  0. 137  1462. 2
 230. 0   2. 13   2. 12  34. 93  27. 90   20. 3  0. 139  1462. 5
 240. 0   2. 12   2. 10  34. 92  27. 90   20. 9  0. 141  1462. 6
 250. 0   2. 06   2. 04  34. 93  27. 91   19. 6  0. 144  1462. 6
 260. 0   2. 10   2. 08  34. 94  27. 92   19. 2  0. 146  1462. 9
 270. 0   1. 96   1. 95  34. 93  27. 92   19. 2  0. 147  1462. 5
 280. 0   1. 87   1. 86  34. 93  27. 93   18. 5  0. 149  1462. 2
 290. 0   2. 00   1. 98  34. 94  27. 93   18. 4  0. 151  1463. 0
 300. 0   1. 96   1. 94  34. 95  27. 93   17. 8  0. 153  1463. 0

                       DEPTH       TEMP.       SALIN
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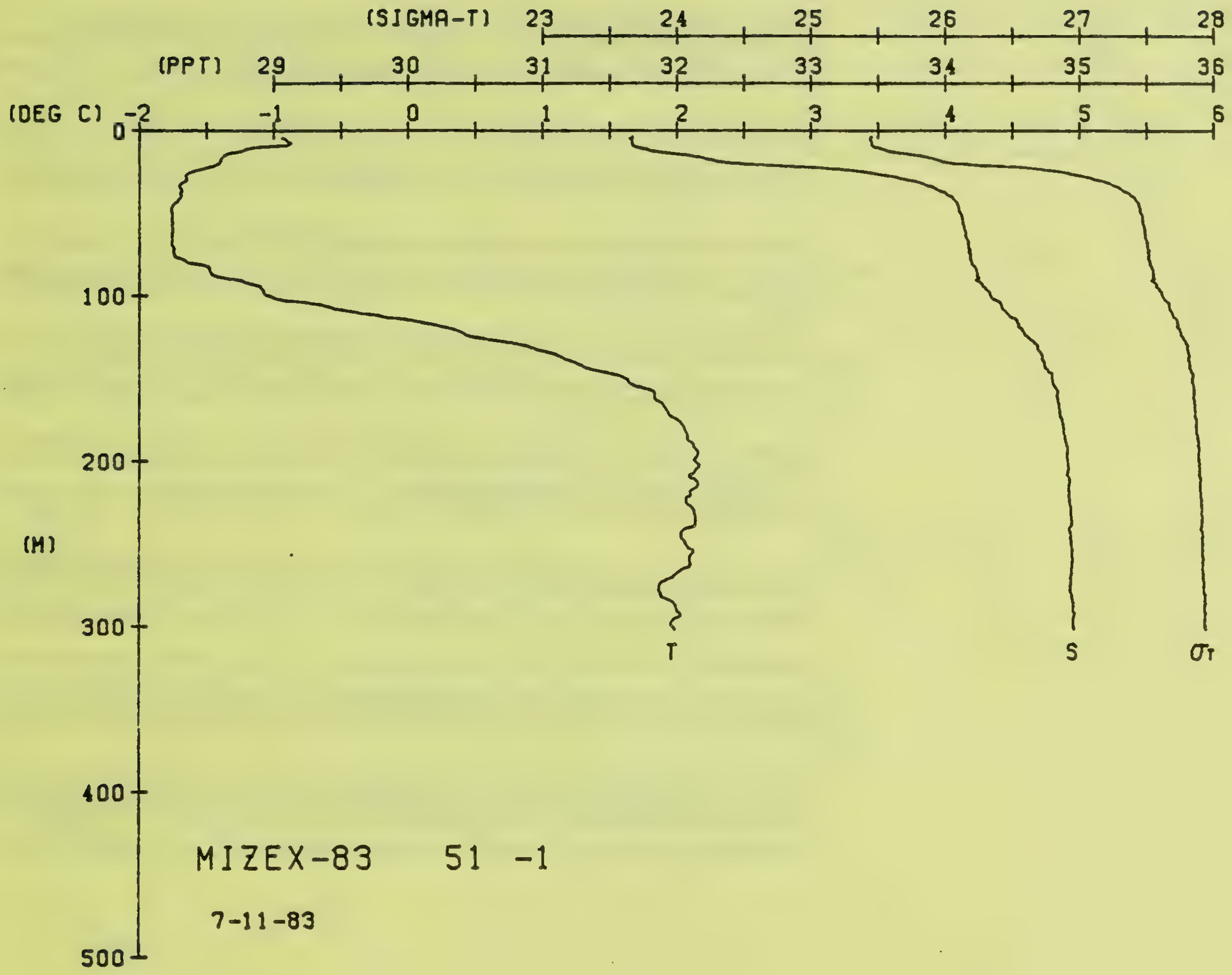
```
MIZEX-83 STATION  52(1) CTD  11/JUL/1983 2108 GMT  CODE = 1
LAT = 80. 0067N LNG =  -1. 6017W LTER =   300.  LGER =   300.
AIR TEMP =    0. 0 BAROM =    0. 0 WIND =   0. 0 SPEED =   0. 0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0. 0  -0. 32  -0. 32  31. 51  25. 30  266. 1  0. 000  1442. 9
  1. 9  -0. 32  -0. 33  31. 51  25. 30  266. 1  0. 005  1443. 0
  5. 0   0. 13   0. 13  32. 33  25. 94  205. 2  0. 013  1446. 2
 10. 0   1. 98   1. 97  33. 41  26. 70  133. 3  0. 021  1456. 1
 15. 0   2. 60   2. 60  33. 74  26. 91  113. 0  0. 027  1459. 4
 20. 0   2. 70   2. 70  34. 26  27. 32   74. 5  0. 032  1460. 6
 25. 0   2. 27   2. 27  34. 47  27. 53   55. 1  0. 035  1459. 1
 30. 0   2. 63   2. 63  34. 64  27. 63   45. 3  0. 038  1461. 0
 35. 0   2. 73   2. 73  34. 72  27. 69   39. 8  0. 040  1461. 7
 40. 0   2. 71   2. 71  34. 77  27. 73   36. 2  0. 042  1461. 7
 45. 0   2. 71   2. 70  34. 81  27. 76   32. 7  0. 044  1461. 8
 50. 0   2. 77   2. 76  34. 83  27. 77   32. 3  0. 045  1462. 2
 55. 0   2. 78   2. 78  34. 85  27. 79   30. 7  0. 047  1462. 4
 60. 0   2. 71   2. 70  34. 86  27. 80   29. 0  0. 048  1462. 1
 65. 0   2. 75   2. 74  34. 86  27. 80   29. 7  0. 050  1462. 4
 70. 0   2. 68   2. 68  34. 87  27. 81   28. 2  0. 051  1462. 2
 75. 0   2. 67   2. 67  34. 89  27. 82   27. 3  0. 053  1462. 3
 80. 0   2. 58   2. 58  34. 89  27. 83   26. 4  0. 054  1462. 0
 85. 0   2. 58   2. 57  34. 89  27. 84   26. 0  0. 055  1462. 0
 90. 0   2. 53   2. 53  34. 90  27. 85   25. 2  0. 057  1461. 9
 95. 0   2. 54   2. 54  34. 90  27. 85   25. 0  0. 058  1462. 1
100. 0   2. 49   2. 49  34. 92  27. 86   23. 6  0. 059  1462. 0
110. 0   2. 59   2. 58  34. 92  27. 86   24. 4  0. 062  1462. 5
120. 0   2. 49   2. 48  34. 92  27. 87   23. 2  0. 064  1462. 3
130. 0   2. 44   2. 44  34. 93  27. 88   22. 5  0. 066  1462. 3
140. 0   2. 37   2. 36  34. 93  27. 88   22. 1  0. 069  1462. 1
150. 0   2. 27   2. 26  34. 92  27. 89   21. 7  0. 071  1461. 8
160. 0   2. 20   2. 19  34. 93  27. 90   20. 8  0. 073  1461. 7
170. 0   2. 14   2. 13  34. 93  27. 90   20. 3  0. 075  1461. 6
180. 0   2. 10   2. 09  34. 93  27. 90   20. 1  0. 077  1461. 6
190. 0   2. 05   2. 04  34. 93  27. 92   19. 1  0. 079  1461. 5
200. 0   2. 05   2. 04  34. 94  27. 92   19. 0  0. 081  1461. 7
210. 0   2. 07   2. 05  34. 95  27. 92   18. 4  0. 083  1461. 9
220. 0   2. 05   2. 04  34. 94  27. 92   18. 5  0. 085  1462. 0
230. 0   2. 03   2. 01  34. 94  27. 92   19. 0  0. 087  1462. 1
240. 0   2. 04   2. 02  34. 95  27. 93   18. 1  0. 089  1462. 3
250. 0   2. 04   2. 03  34. 95  27. 93   18. 5  0. 090  1462. 5
260. 0   2. 01   1. 99  34. 95  27. 93   17. 9  0. 092  1462. 5
270. 0   1. 98   1. 97  34. 96  27. 94   17. 2  0. 094  1462. 6
280. 0   1. 96   1. 95  34. 96  27. 95   16. 7  0. 096  1462. 7
290. 0   1. 96   1. 95  34. 97  27. 95   16. 1  0. 097  1462. 9
300. 0   1. 96   1. 94  34. 97  27. 95   16. 3  0. 099  1463. 0
305. 7   1. 95   1. 93  34. 98  27. 96   15. 7  0. 100  1463. 1

                      DEPTH       TEMP.       SALIN
```



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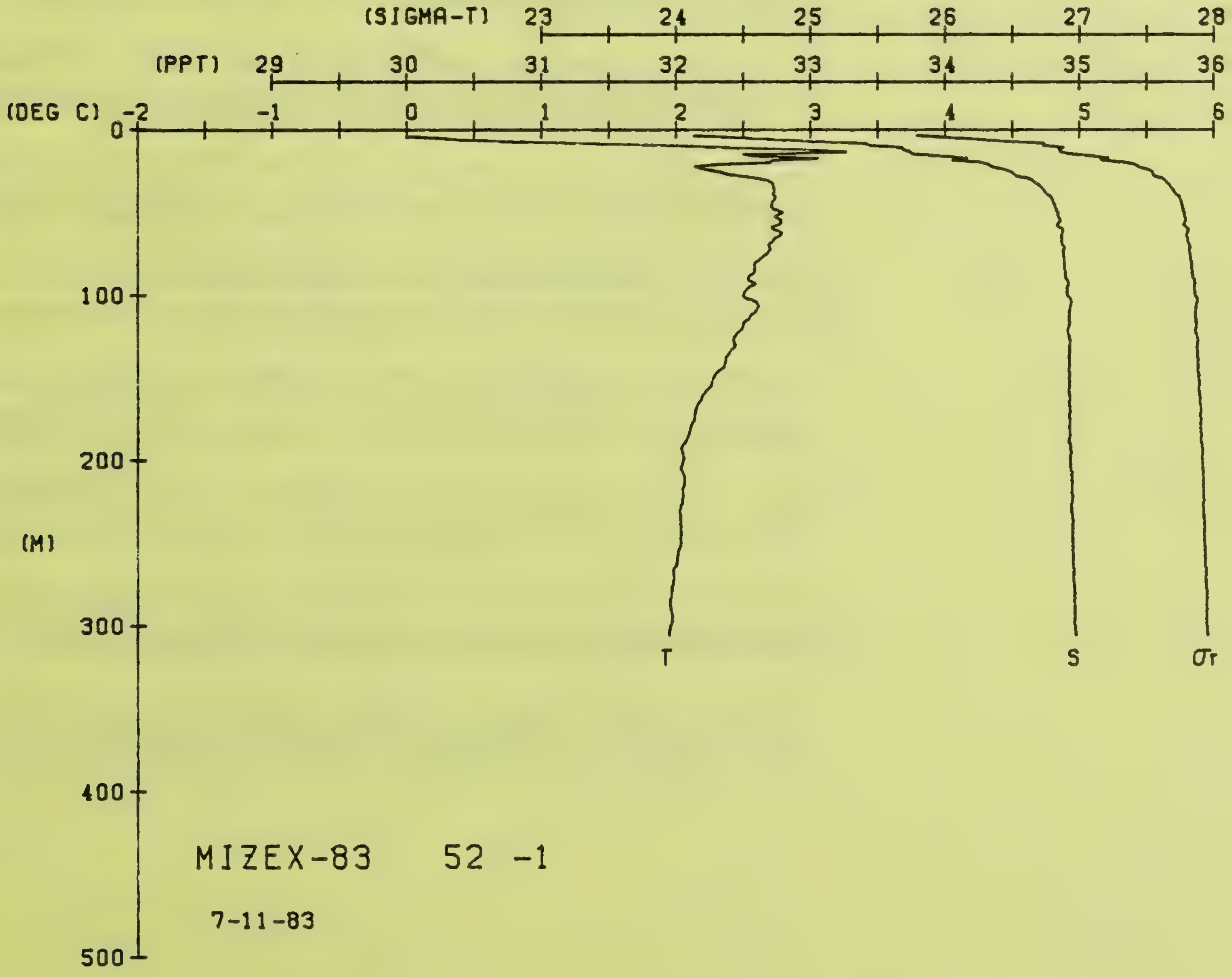
7-11-83



MIZEX-83 52 -1

7-11-83

```
MIZEX-83 STATION  53(1) CTD  11/JUL/1983 2208 GMT  CODE = 1
LAT = 79.9933N LNG =  -1.0033W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.16   -1.16   31.49   25.31   265.3   0.000   1439.0
   1.9   -1.16   -1.16   31.49   25.31   265.3   0.005   1439.1
   5.0   -1.31   -1.31   31.82   25.59   238.8   0.013   1438.8
  10.0   -1.48   -1.48   32.27   25.95   204.2   0.024   1438.8
  15.0   -1.55   -1.55   32.52   26.16   184.8   0.034   1438.9
  20.0   -1.60   -1.60   33.16   26.68   135.0   0.042   1439.6
  25.0   -1.67   -1.67   33.76   27.17    88.8   0.048   1440.2
  30.0   -1.69   -1.69   34.00   27.36    70.2   0.052   1440.5
  35.0   -1.69   -1.69   34.04   27.40    66.7   0.055   1440.7
  40.0   -1.72   -1.72   34.08   27.43    63.7   0.059   1440.7
  45.0   -1.71   -1.71   34.13   27.47    60.1   0.062   1440.9
  50.0   -1.71   -1.71   34.16   27.50    57.2   0.065   1441.0
  55.0   -1.52   -1.52   34.25   27.56    51.3   0.067   1442.1
  60.0   -1.26   -1.26   34.30   27.59    48.1   0.070   1443.5
  65.0   -0.91   -0.92   34.37   27.64    44.2   0.072   1445.3
  70.0   -0.48   -0.48   34.42   27.66    42.0   0.074   1447.5
  75.0   -0.21   -0.21   34.47   27.69    39.4   0.076   1448.9
  80.0    0.70    0.70   34.62   27.76    32.7   0.078   1453.3
  85.0    2.86    2.85   34.82   27.75    34.2   0.080   1463.2
  90.0    3.35    3.34   34.91   27.78    31.4   0.082   1465.5
  95.0    2.99    2.98   34.87   27.78    31.2   0.083   1463.9
 100.0    3.18    3.17   34.91   27.80    29.9   0.085   1464.9
 110.0    2.71    2.70   34.85   27.79    30.3   0.088   1463.0
 120.0    2.87    2.86   34.96   27.86    24.0   0.091   1464.0
 130.0    2.92    2.91   34.95   27.85    24.8   0.093   1464.3
 140.0    2.59    2.58   34.93   27.87    23.3   0.095   1463.1
 150.0    2.03    2.02   34.88   27.87    22.9   0.098   1460.7
 160.0    2.07    2.06   34.89   27.88    22.4   0.100   1461.0
 170.0    2.09    2.08   34.89   27.88    22.6   0.102   1461.3
 180.0    2.00    1.99   34.91   27.90    20.7   0.105   1461.1
 190.0    2.27    2.26   34.93   27.90    21.0   0.107   1462.5
 200.0    2.21    2.19   34.94   27.91    20.1   0.109   1462.4
 210.0    2.16    2.15   34.94   27.91    19.7   0.111   1462.4
 220.0    2.30    2.28   34.96   27.92    19.2   0.113   1463.2
 230.0    2.30    2.29   34.96   27.91    19.7   0.115   1463.3
 240.0    2.43    2.42   34.99   27.93    18.2   0.117   1464.1
 250.0    2.44    2.42   34.98   27.92    19.0   0.119   1464.3
 260.0    2.37    2.36   34.98   27.93    18.6   0.120   1464.2
 270.0    2.14    2.13   34.96   27.93    18.1   0.122   1463.3
 280.0    2.08    2.07   34.97   27.94    17.3   0.124   1463.2
 290.0    2.07    2.05   34.97   27.94    17.0   0.126   1463.3
 300.0    2.02    2.01   34.96   27.94    17.7   0.128   1463.3

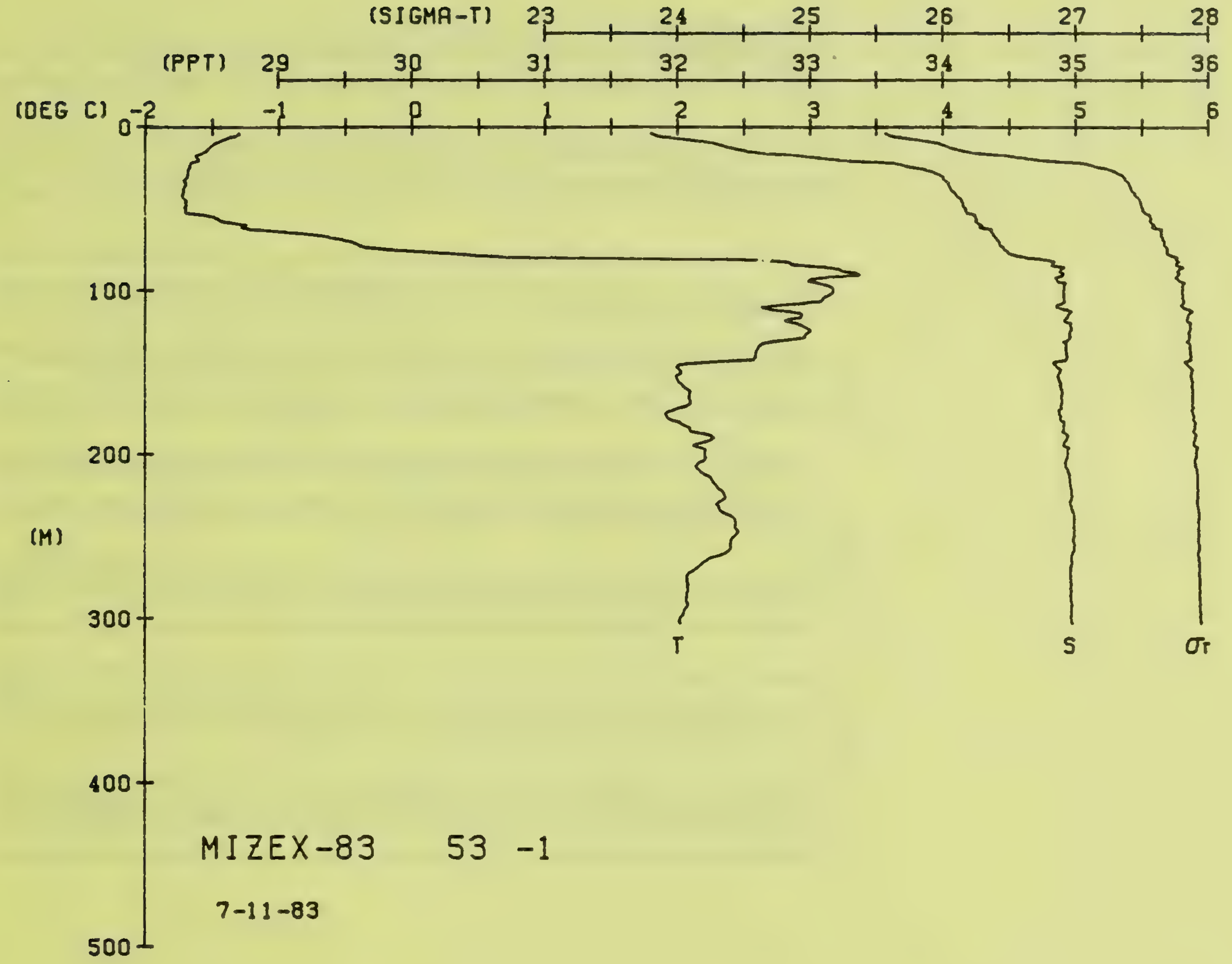
                       DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  54(1) CTD  11/JUL/1983 2250 GMT  CODE = 1
LAT = 80.0083N LNG =  -0.3817W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.85   -0.85   31.55   25.35   261.5   0.000   1440.5
   1.9   -0.85   -0.85   31.55   25.35   261.4   0.005   1440.6
   5.0   -0.88   -0.88   31.53   25.34   262.7   0.013   1440.5
  10.0   -1.24   -1.24   31.61   25.42   255.2   0.026   1439.0
  15.0   -1.41   -1.41   31.84   25.61   236.9   0.039   1438.6
  20.0   -1.45   -1.45   32.24   25.93   206.0   0.050   1439.0
  25.0   -1.60   -1.60   33.01   26.56   146.4   0.059   1439.5
  30.0   -1.64   -1.64   33.54   26.99   105.4   0.065   1440.1
  35.0   -1.62   -1.62   33.69   27.11    94.2   0.070   1440.5
  40.0   -1.74   -1.74   33.89   27.28    78.2   0.075   1440.3
  45.0   -1.78   -1.78   33.96   27.34    72.6   0.078   1440.3
  50.0   -1.78   -1.78   34.04   27.40    66.7   0.082   1440.5
  55.0   -1.80   -1.80   34.05   27.41    65.5   0.085   1440.5
  60.0   -1.79   -1.79   34.08   27.43    63.8   0.089   1440.7
  65.0   -1.75   -1.76   34.10   27.45    62.0   0.092   1440.9
  70.0   -1.72   -1.72   34.12   27.46    60.6   0.095   1441.2
  75.0   -1.74   -1.74   34.15   27.49    57.8   0.098   1441.3
  80.0   -1.69   -1.69   34.18   27.51    55.6   0.101   1441.6
  85.0   -1.60   -1.60   34.22   27.54    52.9   0.103   1442.2
  90.0   -1.36   -1.36   34.28   27.58    49.0   0.106   1443.5
  95.0   -1.13   -1.14   34.32   27.61    46.7   0.108   1444.7
 100.0   -0.89   -0.90   34.36   27.63    44.7   0.111   1445.9
 110.0   -0.56   -0.56   34.42   27.67    41.5   0.115   1447.8
 120.0   -0.12   -0.12   34.51   27.72    36.5   0.119   1450.1
 130.0    0.24    0.24   34.60   27.77    31.9   0.123   1452.0
 140.0    0.59    0.59   34.63   27.78    31.3   0.126   1453.8
 150.0    1.07    1.07   34.75   27.84    25.8   0.129   1456.3
 160.0    1.05    1.04   34.78   27.86    23.5   0.131   1456.4
 170.0    1.60    1.59   34.82   27.86    24.2   0.134   1459.1
 180.0    1.90    1.89   34.85   27.86    24.1   0.136   1460.6
 190.0    1.80    1.79   34.85   27.87    23.1   0.138   1460.3
 200.0    1.90    1.89   34.88   27.88    22.3   0.141   1461.0
 210.0    1.89    1.88   34.87   27.87    22.9   0.143   1461.1
 220.0    1.83    1.82   34.88   27.89    21.2   0.145   1461.0
 230.0    1.91    1.90   34.90   27.90    20.4   0.147   1461.6
 240.0    2.02    2.00   34.93   27.91    19.6   0.149   1462.2
 250.0    2.01    2.00   34.93   27.92    19.2   0.151   1462.4
 260.0    1.83    1.82   34.91   27.91    19.4   0.153   1461.7
 270.0    1.74    1.72   34.90   27.91    19.5   0.155   1461.4
 280.0    1.49    1.47   34.89   27.92    18.5   0.157   1460.5
 290.0    1.61    1.59   34.91   27.93    18.1   0.159   1461.2
 300.0    1.69    1.67   34.92   27.93    18.0   0.161   1461.7

                       DEPTH        TEMP.        SALIN
```



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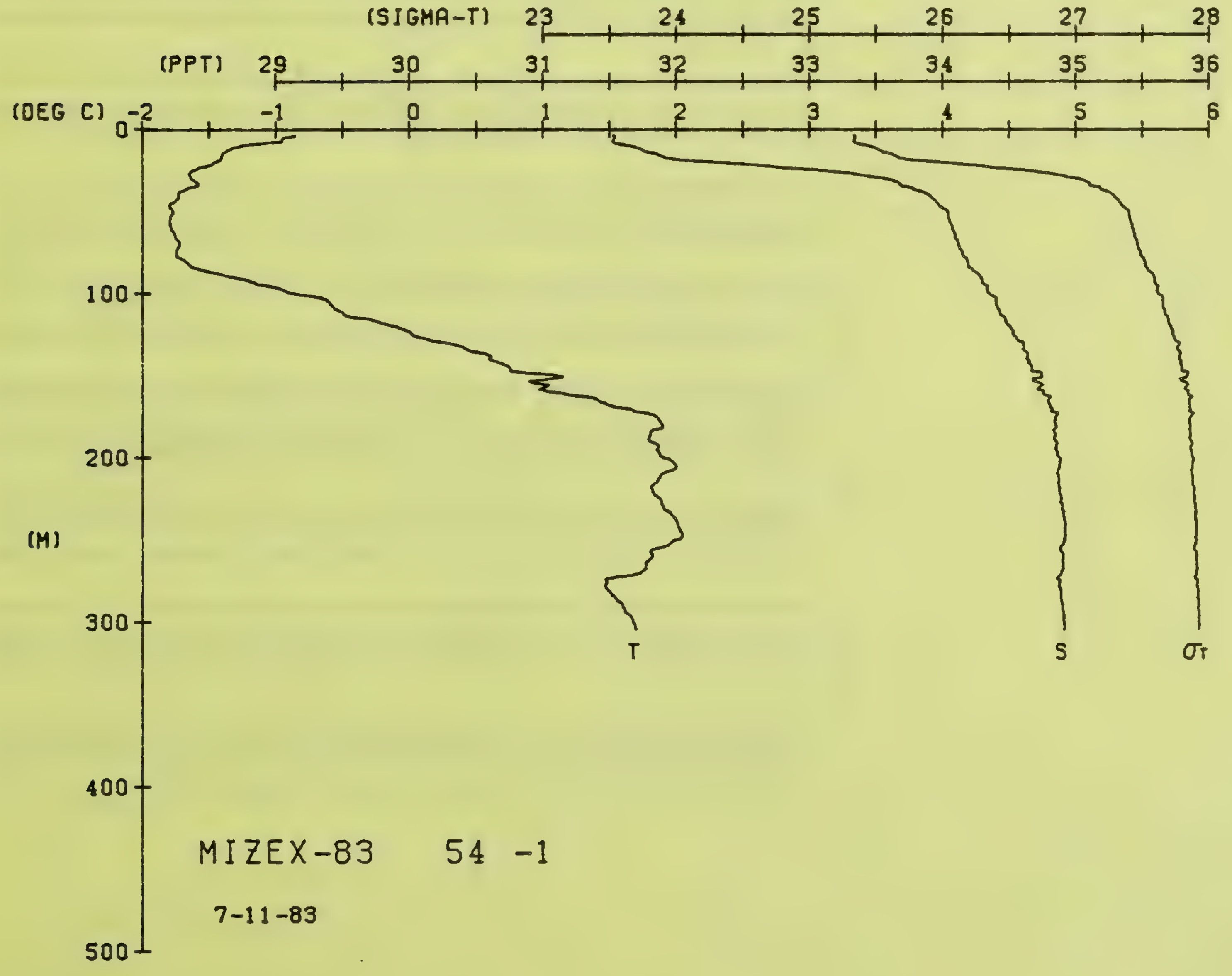


MIZEX-83 54 -1

7-11-83

```
MIZEX-83 STATION  55(1) CTD  11/JUL/1983 2333 GMT  CODE = 1
LAT = 80. 0000N LNG =   0. 2350W LTER =   300.  LGER =   300.
AIR TEMP =    0. 0 BAROM =     0. 0 WIND =    0. 0 SPEED =    0. 0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0  -0. 75  -0. 75  31. 50  25. 31  265. 4  0. 000  1440. 9
   1. 9  -0. 75  -0. 75  31. 50  25. 31  265. 4  0. 005  1441. 0
   5. 0  -1. 19  -1. 19  31. 52  25. 34  262. 2  0. 013  1439. 0
  10. 0  -1. 45  -1. 45  31. 71  25. 50  247. 2  0. 026  1438. 1
  15. 0  -1. 47  -1. 47  31. 89  25. 65  232. 9  0. 038  1438. 3
  20. 0  -1. 57  -1. 57  32. 31  25. 99  200. 5  0. 049  1438. 6
  25. 0  -1. 60  -1. 60  32. 82  26. 40  161. 5  0. 059  1439. 2
  30. 0  -1. 72  -1. 72  33. 48  26. 94  109. 8  0. 065  1439. 7
  35. 0  -1. 74  -1. 74  33. 71  27. 13   92. 0  0. 070  1440. 0
  40. 0  -1. 70  -1. 70  33. 87  27. 26   80. 0  0. 075  1440. 5
  45. 0  -1. 65  -1. 65  33. 97  27. 34   72. 2  0. 079  1441. 0
  50. 0  -1. 58  -1. 59  34. 08  27. 42   64. 3  0. 082  1441. 5
  55. 0  -1. 67  -1. 68  34. 12  27. 46   60. 8  0. 085  1441. 2
  60. 0  -1. 67  -1. 67  34. 15  27. 49   58. 1  0. 088  1441. 4
  65. 0  -1. 73  -1. 73  34. 17  27. 50   56. 7  0. 091  1441. 2
  70. 0  -1. 71  -1. 71  34. 19  27. 52   54. 8  0. 094  1441. 4
  75. 0  -1. 62  -1. 63  34. 22  27. 54   52. 9  0. 097  1441. 9
  80. 0  -1. 33  -1. 34  34. 24  27. 55   52. 3  0. 099  1443. 4
  85. 0  -0. 81  -0. 82  34. 35  27. 62   46. 1  0. 102  1446. 0
  90. 0  -0. 62  -0. 62  34. 40  27. 65   42. 5  0. 104  1447. 1
  95. 0   0. 03   0. 02  34. 50  27. 70   38. 6  0. 106  1450. 3
 100. 0   0. 90   0. 89  34. 58  27. 71   37. 2  0. 108  1454. 4
 110. 0   1. 93   1. 92  34. 82  27. 83   26. 6  0. 111  1459. 5
 120. 0   2. 77   2. 77  34. 84  27. 78   31. 7  0. 114  1463. 4
 130. 0   2. 40   2. 39  34. 82  27. 79   30. 5  0. 117  1461. 9
 140. 0   2. 05   2. 04  34. 80  27. 81   29. 0  0. 120  1460. 5
 150. 0   1. 93   1. 92  34. 92  27. 91   18. 9  0. 123  1460. 3
 160. 0   2. 13   2. 12  34. 83  27. 83   27. 4  0. 125  1461. 2
 170. 0   1. 99   1. 98  34. 83  27. 84   26. 0  0. 128  1460. 8
 180. 0   2. 18   2. 17  34. 87  27. 85   25. 1  0. 130  1461. 9
 190. 0   2. 43   2. 42  34. 93  27. 88   22. 9  0. 133  1463. 2
 200. 0   2. 68   2. 66  34. 97  27. 89   22. 1  0. 135  1464. 5
 210. 0   2. 60   2. 59  34. 95  27. 88   23. 0  0. 137  1464. 3
 220. 0   2. 22   2. 21  34. 91  27. 88   22. 3  0. 140  1462. 7
 230. 0   2. 20   2. 19  34. 93  27. 90   20. 8  0. 142  1462. 9
 240. 0   2. 17   2. 16  34. 92  27. 89   21. 7  0. 144  1462. 9
 250. 0   2. 09   2. 08  34. 94  27. 91   19. 5  0. 146  1462. 7
 260. 0   1. 98   1. 97  34. 92  27. 91   20. 0  0. 148  1462. 4
 270. 0   2. 02   2. 00  34. 93  27. 92   19. 4  0. 150  1462. 7
 280. 0   2. 00   1. 98  34. 93  27. 92   19. 5  0. 152  1462. 8
 290. 0   1. 94   1. 93  34. 92  27. 92   19. 5  0. 154  1462. 7
 300. 0   1. 87   1. 85  34. 93  27. 93   18. 5  0. 156  1462. 6
 300. 9   1. 88   1. 86  34. 93  27. 93   18. 5  0. 156  1462. 6

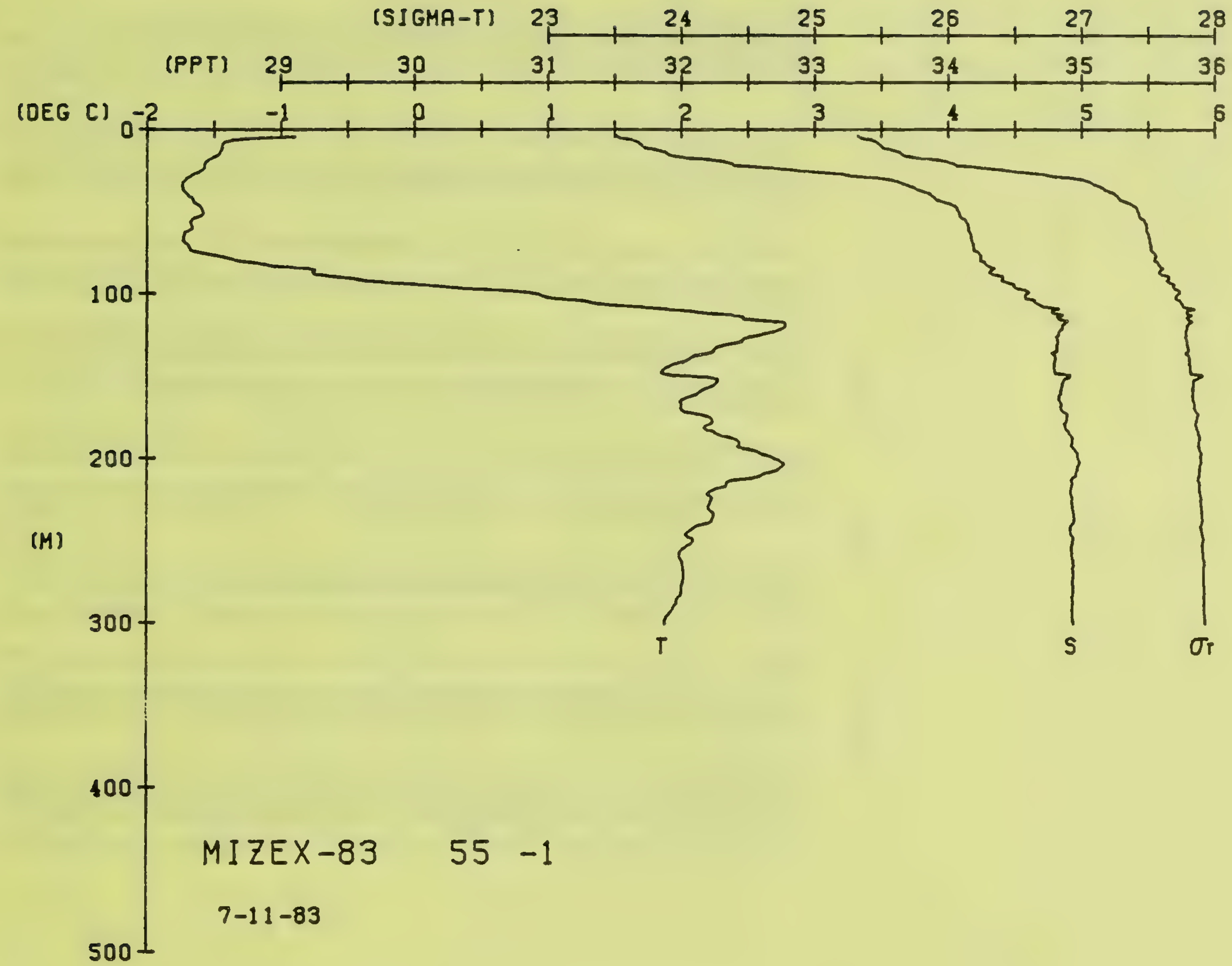
                         DEPTH      TEMP.       SALIN
```

```
MIZEX-83 STATION  56(1) CTD  12/JUL/1983   13 GMT  CODE = 1
LAT = 80. 0000N LNG =   0. 8633W LTER =   300.  LGER =   300.
AIR TEMP =    0. 0 BAROM =     0. 0 WIND =    0. 0 SPEED =    0. 0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0. 0  -0. 83  -0. 83  31. 33  25. 17  278. 5  0. 000  1440. 3
  1. 9  -0. 83  -0. 83  31. 33  25. 17  278. 5  0. 006  1440. 4
  5. 0  -1. 24  -1. 24  31. 40  25. 24  271. 6  0. 014  1438. 6
 10. 0  -1. 40  -1. 40  31. 51  25. 34  262. 4  0. 028  1438. 1
 15. 0  -1. 44  -1. 44  31. 68  25. 47  249. 5  0. 040  1438. 2
 20. 0  -1. 47  -1. 48  31. 80  25. 57  240. 3  0. 053  1438. 3
 25. 0  -1. 58  -1. 58  32. 24  25. 93  206. 1  0. 064  1438. 5
 30. 0  -1. 62  -1. 63  32. 83  26. 41  160. 1  0. 073  1439. 2
 35. 0  -1. 60  -1. 60  33. 20  26. 72  131. 5  0. 081  1439. 9
 40. 0  -1. 23  -1. 23  33. 71  27. 12   93. 6  0. 086  1442. 5
 45. 0  -1. 35  -1. 35  33. 83  27. 22   83. 8  0. 091  1442. 2
 50. 0  -1. 41  -1. 41  33. 91  27. 28   77. 7  0. 095  1442. 1
 55. 0  -1. 61  -1. 62  34. 08  27. 42   64. 2  0. 099  1441. 4
 60. 0  -1. 67  -1. 67  34. 14  27. 48   59. 1  0. 102  1441. 3
 65. 0  -1. 61  -1. 61  34. 21  27. 54   53. 7  0. 104  1441. 8
 70. 0  -1. 04  -1. 04  34. 31  27. 60   47. 8  0. 107  1444. 7
 75. 0  -0. 64  -0. 65  34. 39  27. 64   43. 9  0. 109  1446. 7
 80. 0   0. 52   0. 52  34. 54  27. 71   37. 6  0. 111  1452. 4
 85. 0   2. 14   2. 14  34. 80  27. 80   29. 4  0. 113  1460. 0
 90. 0   2. 99   2. 99  34. 89  27. 80   29. 8  0. 115  1463. 9
 95. 0   3. 20   3. 20  34. 90  27. 79   30. 9  0. 116  1464. 9
100. 0   3. 34   3. 33  34. 93  27. 80   30. 1  0. 118  1465. 6
110. 0   3. 46   3. 45  34. 96  27. 81   28. 9  0. 121  1466. 4
120. 0   3. 42   3. 41  34. 98  27. 83   27. 3  0. 124  1466. 4
130. 0   3. 36   3. 35  34. 99  27. 84   26. 0  0. 126  1466. 3
140. 0   3. 18   3. 17  34. 98  27. 85   25. 4  0. 129  1465. 7
150. 0   3. 14   3. 13  34. 99  27. 86   24. 1  0. 131  1465. 7
160. 0   2. 99   2. 98  34. 97  27. 86   24. 6  0. 134  1465. 2
170. 0   2. 72   2. 71  34. 94  27. 86   24. 3  0. 136  1464. 1
180. 0   2. 64   2. 63  34. 94  27. 87   23. 3  0. 139  1464. 0
190. 0   2. 61   2. 60  34. 94  27. 87   23. 6  0. 141  1464. 0
200. 0   2. 59   2. 58  34. 94  27. 87   23. 4  0. 143  1464. 1
210. 0   2. 58   2. 57  34. 94  27. 87   23. 4  0. 146  1464. 2
220. 0   2. 58   2. 56  34. 94  27. 88   23. 1  0. 148  1464. 3
230. 0   2. 58   2. 57  34. 95  27. 88   23. 0  0. 150  1464. 5
240. 0   2. 58   2. 56  34. 95  27. 88   22. 9  0. 153  1464. 7
250. 0   2. 60   2. 58  34. 95  27. 88   22. 6  0. 155  1464. 9
260. 0   2. 59   2. 58  34. 96  27. 89   22. 5  0. 157  1465. 1
270. 0   2. 60   2. 58  34. 95  27. 88   22. 8  0. 160  1465. 3
280. 0   2. 60   2. 58  34. 95  27. 89   22. 8  0. 162  1465. 4
290. 0   2. 60   2. 58  34. 97  27. 89   22. 0  0. 164  1465. 6
300. 0   2. 61   2. 59  34. 96  27. 89   22. 3  0. 166  1465. 8
303. 2   2. 61   2. 59  34. 97  27. 89   22. 2  0. 167  1465. 9

                        DEPTH      TEMP.       SALIN
```



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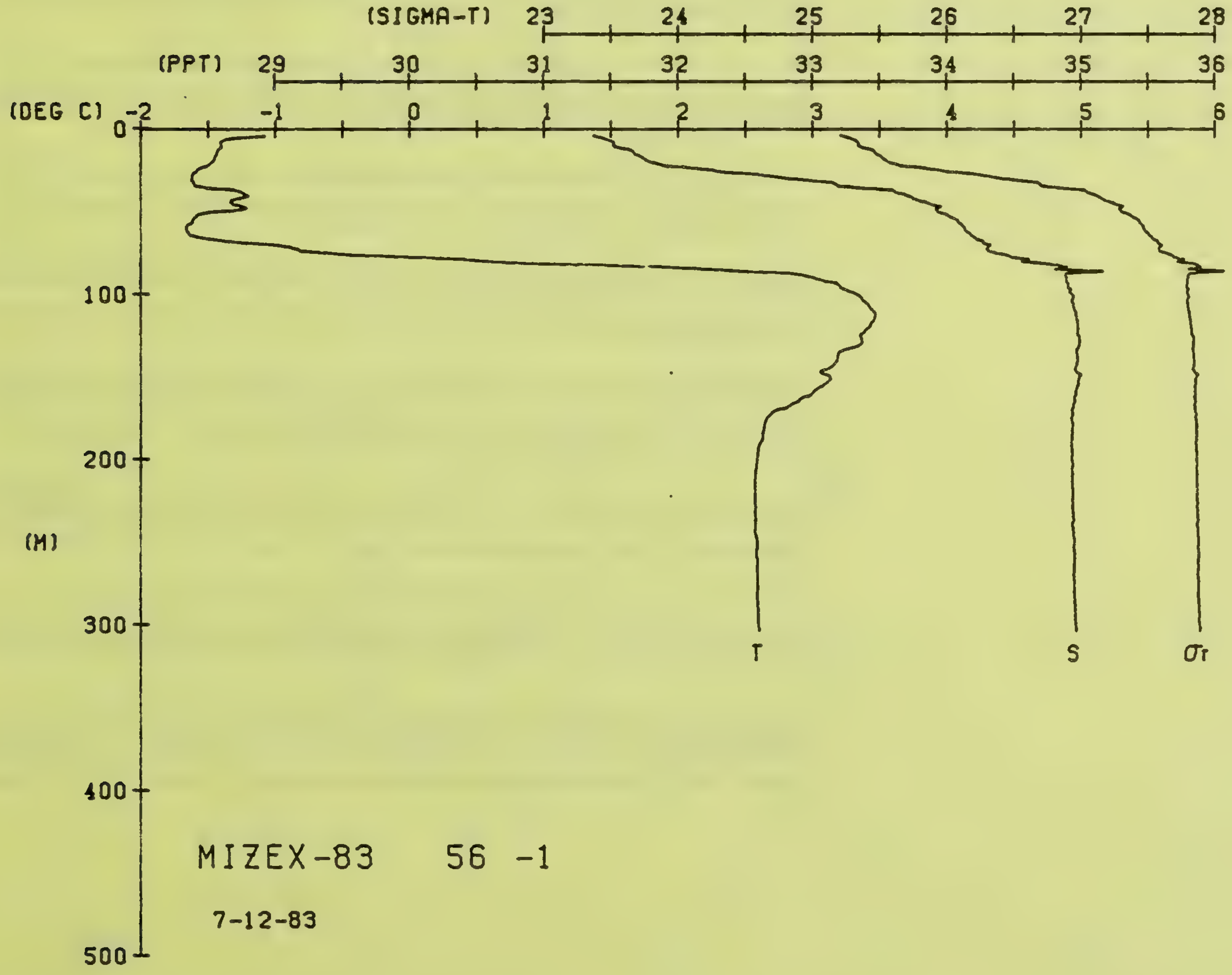


MIZEX-83 56 -1

7-12-83

```
MIZEX-83 STATION  57(1) CTD  12/JUL/1983 1444 GMT  CODE = 1
LAT = 79.6550N LNG =  -2.7417W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.02    0.02   31.70   25.44   252.7   0.000   1444.8
   4.2    0.02    0.02   31.70   25.44   252.6   0.011   1444.9
   5.0    0.03    0.03   31.68   25.42   254.4   0.013   1444.9
  10.0    0.37    0.37   31.87   25.56   241.4   0.025   1446.8
  15.0    2.13    2.13   34.01   27.17    88.8   0.034   1457.7
  20.0    2.57    2.57   34.19   27.28    78.5   0.038   1460.0
  25.0    2.94    2.94   34.70   27.65    43.4   0.041   1462.3
  30.0    2.97    2.97   34.83   27.75    33.8   0.043   1462.7
  35.0    2.92    2.92   34.86   27.78    30.8   0.045   1462.7
  40.0    2.90    2.90   34.86   27.78    31.1   0.046   1462.7
  45.0    2.86    2.86   34.88   27.80    29.1   0.048   1462.6
  50.0    2.80    2.80   34.87   27.80    29.2   0.049   1462.4
  55.0    2.73    2.73   34.90   27.83    26.5   0.051   1462.2
  60.0    2.59    2.59   34.90   27.85    25.0   0.052   1461.7
  65.0    2.65    2.65   34.93   27.86    23.9   0.053   1462.1
  70.0    2.64    2.64   34.93   27.87    23.3   0.054   1462.1
  75.0    2.58    2.57   34.94   27.87    22.7   0.055   1461.9
  80.0    2.57    2.56   34.94   27.88    22.2   0.057   1462.0
  85.0    2.53    2.52   34.95   27.89    21.0   0.058   1461.9
  90.0    2.46    2.46   34.96   27.90    20.3   0.059   1461.7
  95.0    2.40    2.39   34.97   27.92    18.4   0.060   1461.6
 100.0    2.36    2.36   34.95   27.90    19.9   0.061   1461.4
 110.0    2.35    2.34   34.94   27.89    20.9   0.063   1461.5
 120.0    2.31    2.31   34.94   27.90    20.2   0.065   1461.5
 130.0    2.24    2.24   34.94   27.90    19.9   0.067   1461.4
 140.0    2.20    2.20   34.95   27.92    18.7   0.069   1461.4
 150.0    2.16    2.15   34.95   27.92    18.7   0.071   1461.4
 160.0    2.10    2.09   34.94   27.92    18.7   0.073   1461.3
 170.0    2.06    2.05   34.94   27.92    18.6   0.074   1461.2
 180.0    2.05    2.04   34.94   27.92    18.4   0.076   1461.4
 190.0    2.04    2.03   34.94   27.92    18.4   0.078   1461.5
 200.0    2.05    2.04   34.96   27.94    16.9   0.080   1461.8
 210.0    2.03    2.02   34.95   27.93    17.6   0.082   1461.8
 220.0    2.01    2.00   34.96   27.94    17.2   0.083   1461.9
 230.0    1.99    1.98   34.97   27.95    16.3   0.085   1462.0
 240.0    1.99    1.98   34.97   27.94    16.5   0.087   1462.2
 250.0    2.00    1.99   34.97   27.94    16.7   0.089   1462.4
 260.0    1.97    1.95   34.97   27.95    15.8   0.090   1462.4
 270.0    1.94    1.92   34.97   27.96    15.6   0.092   1462.4
 280.0    1.95    1.93   34.98   27.96    15.5   0.093   1462.6
 290.0    1.93    1.91   34.98   27.96    15.5   0.095   1462.7
 300.0    1.90    1.88   34.98   27.96    15.0   0.096   1462.7

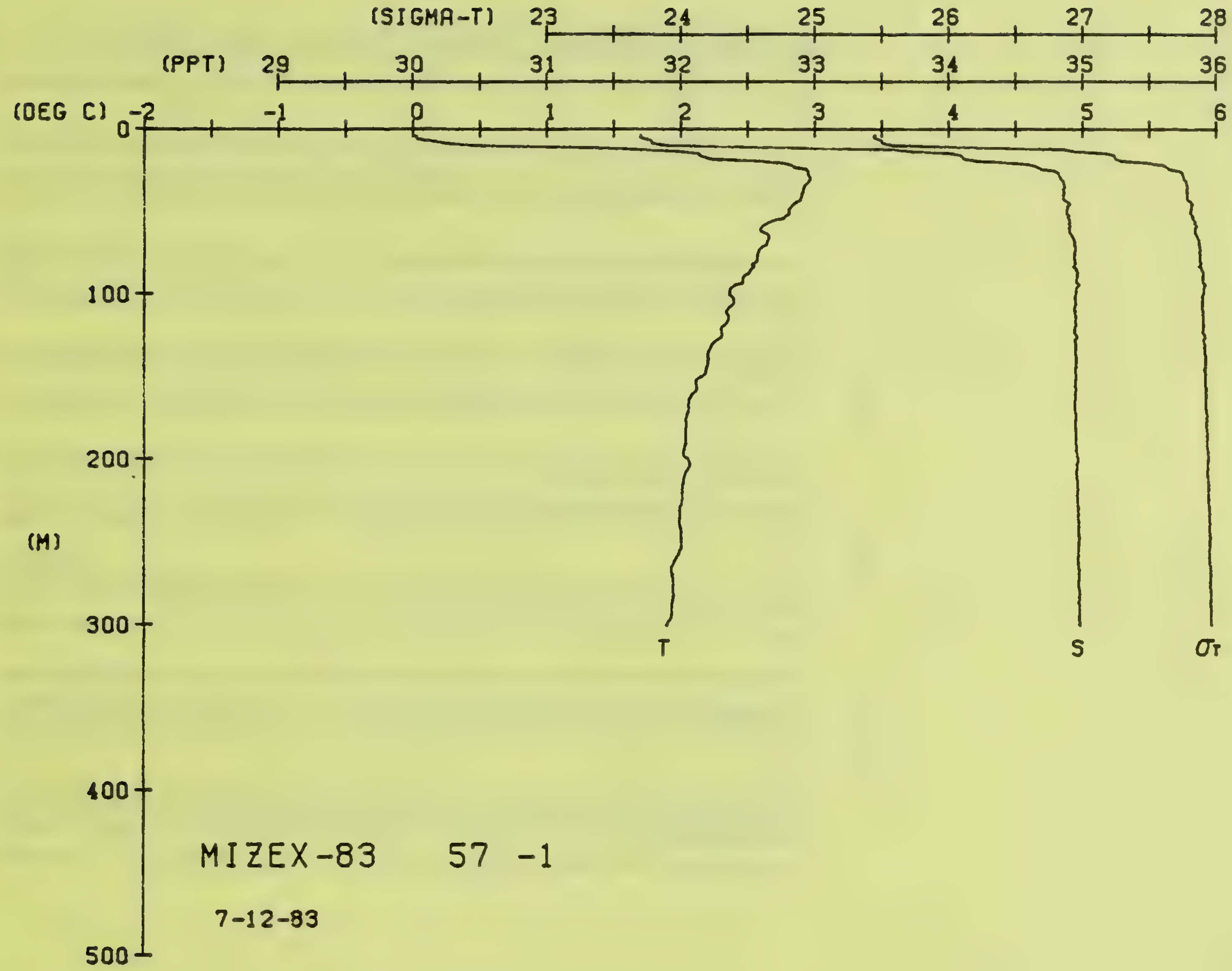
                         DEPTH      TEMP.      SALIN
```

```
MIZEX-83 STATION  58(1) CTD  12/JUL/1983 1532 GMT  CODE = 1
LAT = 79.6483N LNG =  -2.1550W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -0.12   -0.12   31.50   25.29   267.4   0.000   1443.9
  1.9   -0.12   -0.12   31.50   25.29   267.4   0.005   1443.9
  5.0    0.15    0.15   31.86   25.56   241.1   0.013   1445.7
 10.0    1.34    1.34   33.28   26.64   138.7   0.023   1453.2
 15.0    1.61    1.61   33.74   26.99   105.8   0.029   1455.1
 20.0    2.22    2.22   34.34   27.43    64.4   0.033   1458.6
 25.0    2.60    2.59   34.57   27.58    50.2   0.036   1460.7
 30.0    2.81    2.81   34.76   27.71    37.9   0.038   1461.9
 35.0    2.70    2.70   34.82   27.77    32.5   0.040   1461.6
 40.0    2.70    2.70   34.84   27.79    30.5   0.042   1461.8
 45.0    2.72    2.72   34.88   27.81    28.1   0.043   1462.0
 50.0    2.69    2.68   34.90   27.83    26.1   0.045   1462.0
 55.0    2.61    2.61   34.91   27.84    25.1   0.046   1461.7
 60.0    2.57    2.57   34.91   27.85    24.6   0.047   1461.6
 65.0    2.50    2.50   34.93   27.87    22.6   0.048   1461.4
 70.0    2.45    2.44   34.92   27.87    22.5   0.049   1461.3
 75.0    2.41    2.40   34.93   27.88    21.6   0.051   1461.2
 80.0    2.39    2.39   34.93   27.89    21.2   0.052   1461.2
 85.0    2.35    2.34   34.94   27.90    20.4   0.053   1461.1
 90.0    2.33    2.33   34.94   27.89    20.5   0.054   1461.1
 95.0    2.26    2.25   34.94   27.90    19.9   0.055   1460.9
100.0    2.23    2.23   34.94   27.90    19.7   0.056   1460.8
110.0    2.18    2.17   34.94   27.91    19.3   0.058   1460.8
120.0    2.15    2.15   34.95   27.92    18.7   0.060   1460.9
130.0    2.12    2.11   34.95   27.92    17.9   0.062   1460.9
140.0    2.16    2.16   34.97   27.93    17.3   0.063   1461.2
150.0    2.14    2.14   34.96   27.93    17.9   0.065   1461.3
160.0    2.15    2.14   34.97   27.94    16.8   0.067   1461.5
170.0    2.08    2.07   34.96   27.94    17.0   0.069   1461.4
180.0    2.03    2.02   34.96   27.94    16.8   0.070   1461.3
190.0    1.96    1.95   34.97   27.95    16.0   0.072   1461.2
200.0    1.93    1.92   34.97   27.95    15.7   0.074   1461.2
210.0    1.91    1.89   34.98   27.96    14.7   0.075   1461.3
220.0    1.87    1.86   34.97   27.96    15.2   0.077   1461.3
230.0    1.83    1.81   34.97   27.96    14.7   0.078   1461.3
240.0    1.81    1.79   34.98   27.97    13.7   0.080   1461.4
250.0    1.80    1.78   34.98   27.97    13.8   0.081   1461.5
260.0    1.79    1.77   34.98   27.97    13.9   0.082   1461.6
270.0    1.77    1.76   34.98   27.98    13.6   0.084   1461.7
280.0    1.75    1.73   34.98   27.97    13.8   0.085   1461.7
290.0    1.72    1.71   34.98   27.97    13.7   0.086   1461.8
300.0    1.68    1.67   34.98   27.98    13.4   0.088   1461.8
307.6    1.65    1.64   34.98   27.98    13.1   0.089   1461.8

                         DEPTH      TEMP.      SALIN
```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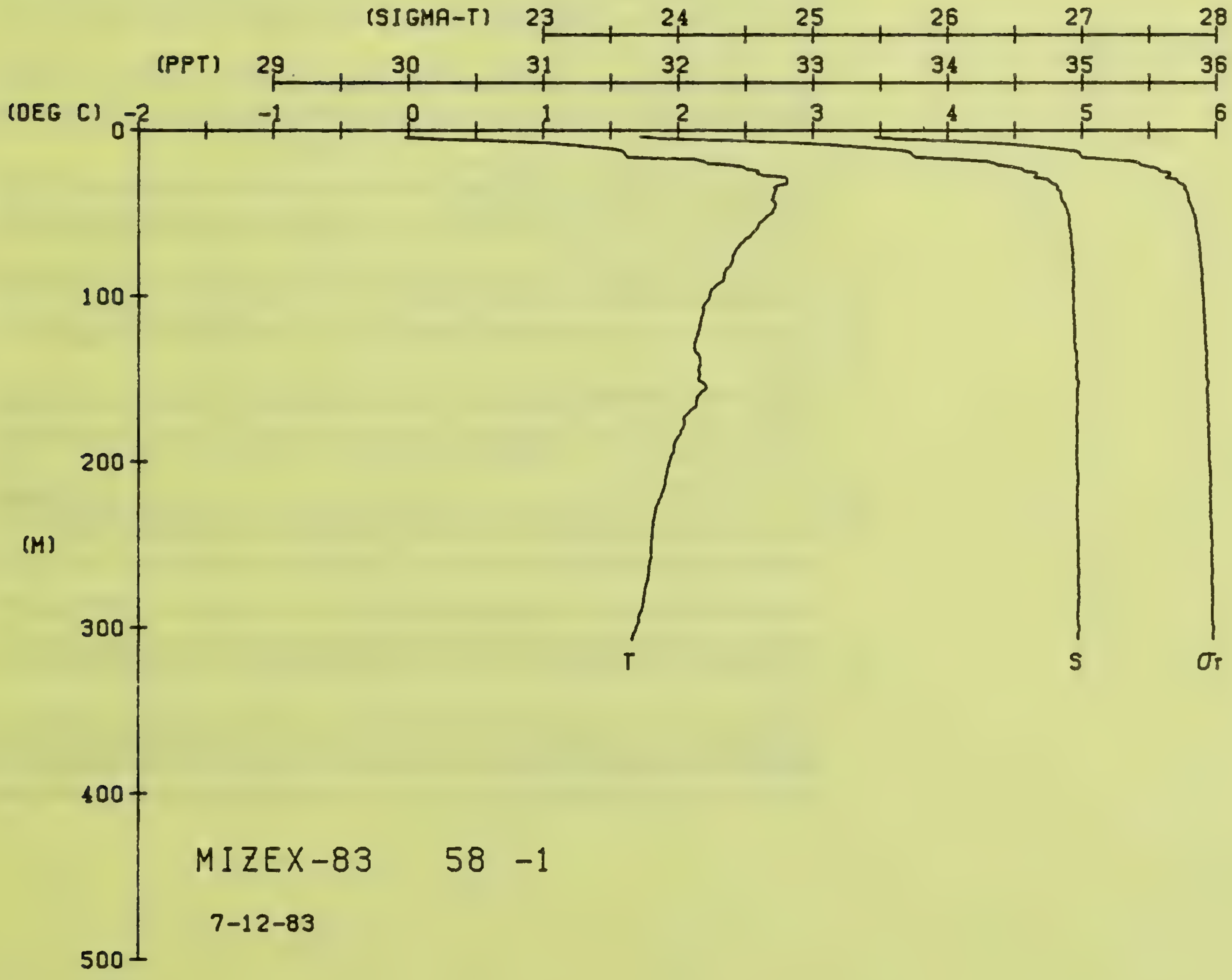
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 57 -1
7-12-83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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 58 -1
7-12-83

```
MIZEX-83 STATION  59(1) CTD  12/JUL/1983 1616 GMT  CODE = 1
LAT = 79.6483N LNG =  -1.4883W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.40   -0.40   31.60   25.38   258.8   0.000   1442.7
   1.9   -0.40   -0.40   31.60   25.38   258.8   0.005   1442.8
   5.0   -0.16   -0.16   31.89   25.60   237.3   0.013   1444.3
  10.0    0.80    0.80   33.36   26.74   129.2   0.022   1450.9
  15.0    2.62    2.62   34.23   27.31    75.8   0.027   1460.2
  20.0    3.20    3.20   34.60   27.55    53.0   0.030   1463.3
  25.0    3.34    3.34   34.74   27.65    43.8   0.033   1464.1
  30.0    3.36    3.36   34.84   27.72    36.4   0.035   1464.4
  35.0    3.28    3.28   34.88   27.76    32.9   0.037   1464.2
  40.0    3.24    3.24   34.91   27.79    30.4   0.038   1464.2
  45.0    3.11    3.11   34.92   27.81    28.5   0.040   1463.7
  50.0    3.00    3.00   34.92   27.82    27.3   0.041   1463.3
  55.0    2.89    2.88   34.94   27.85    25.0   0.043   1462.9
  60.0    2.75    2.75   34.96   27.87    22.3   0.044   1462.5
  65.0    1.95    1.95   34.90   27.89    20.6   0.045   1459.0
  70.0    1.97    1.96   34.87   27.87    23.0   0.046   1459.1
  75.0    2.17    2.17   34.87   27.85    24.6   0.047   1460.1
  80.0    2.20    2.19   34.88   27.86    24.0   0.048   1460.3
  85.0    2.30    2.30   34.90   27.87    23.2   0.050   1460.9
  90.0    2.27    2.27   34.88   27.86    24.2   0.051   1460.8
  95.0    2.45    2.44   34.88   27.84    25.6   0.052   1461.6
 100.0    2.63    2.63   34.93   27.86    23.7   0.053   1462.6
 110.0    2.74    2.74   34.97   27.89    21.4   0.056   1463.3
 120.0    2.75    2.74   34.98   27.89    21.0   0.058   1463.5
 130.0    2.69    2.68   34.98   27.90    20.3   0.060   1463.4
 140.0    2.62    2.62   34.98   27.90    20.5   0.062   1463.3
 150.0    2.39    2.38   34.95   27.90    20.7   0.064   1462.4
 160.0    2.50    2.49   34.99   27.92    18.6   0.066   1463.1
 170.0    2.47    2.46   34.98   27.92    18.9   0.068   1463.1
 180.0    2.37    2.36   34.97   27.92    18.7   0.070   1462.8
 190.0    2.35    2.34   34.99   27.93    17.7   0.072   1462.9
 200.0    2.27    2.26   34.97   27.93    18.2   0.073   1462.7
 210.0    2.26    2.24   34.98   27.93    17.5   0.075   1462.8
 220.0    2.19    2.18   34.98   27.94    16.6   0.077   1462.7
 230.0    2.14    2.12   34.98   27.95    16.5   0.079   1462.6
 240.0    2.06    2.05   34.98   27.95    16.2   0.080   1462.5
 250.0    2.04    2.03   34.97   27.94    16.8   0.082   1462.5
 260.0    2.01    2.00   34.98   27.95    15.9   0.084   1462.6
 270.0    1.98    1.97   34.97   27.95    16.1   0.085   1462.6
 280.0    1.95    1.94   34.98   27.96    15.4   0.087   1462.7
 290.0    1.91    1.90   34.98   27.96    15.3   0.088   1462.7

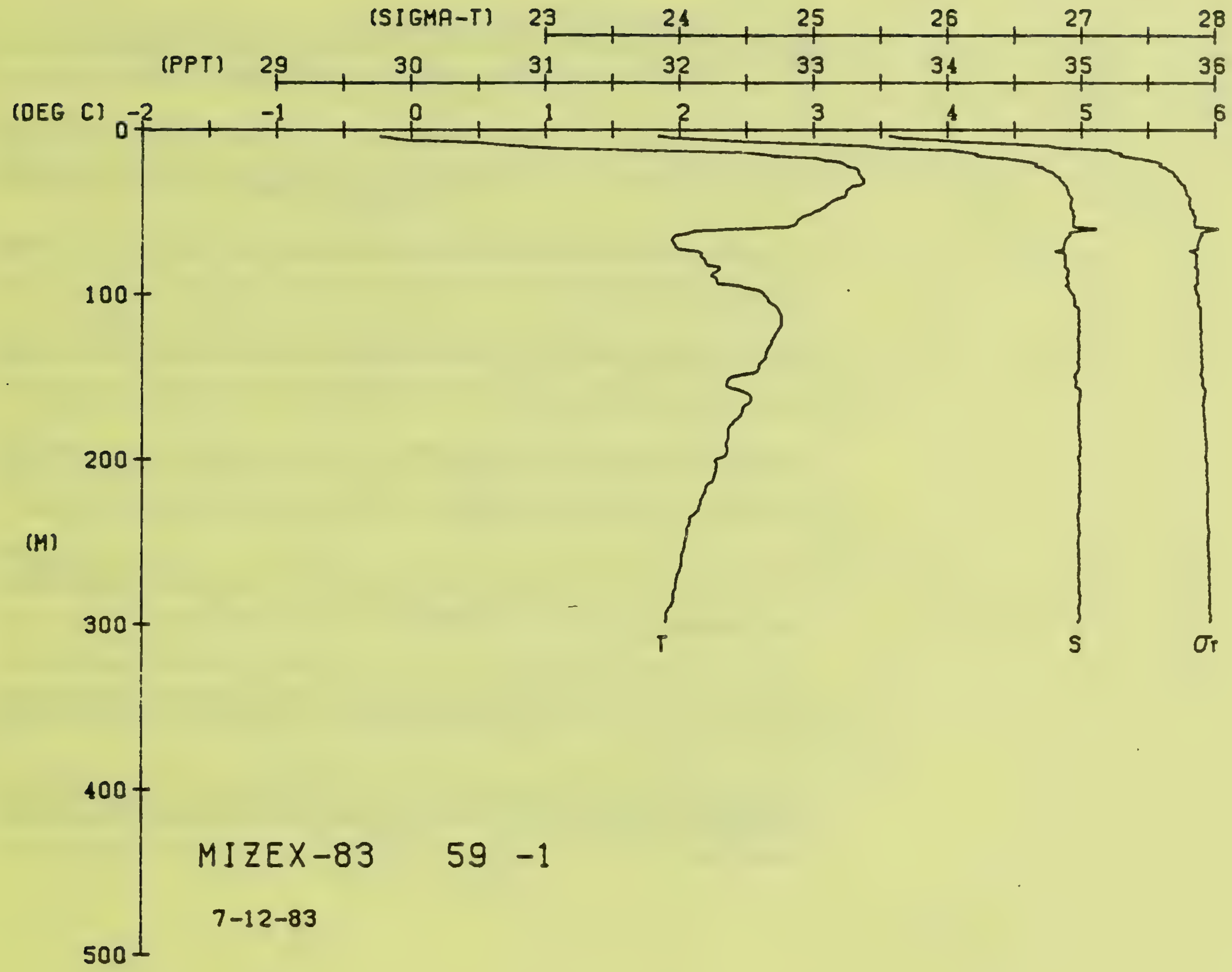
                          DEPTH      TEMP.      SALIN
```

```
MIZEX-83 STATION  60(1) CTD  12/JUL/1983 1657 GMT  CODE = 1
LAT = 79.6467N LNG =  -0.9033W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -0.37   -0.37   31.17   25.03   291.8   0.000   1442.3
  1.9   -0.37   -0.37   31.17   25.03   291.8   0.006   1442.3
  5.0   -0.63   -0.63   31.35   25.19   276.8   0.015   1441.4
 10.0   -0.98   -0.98   31.90   25.64   233.7   0.027   1440.6
 15.0    0.45    0.45   32.75   26.27   174.3   0.038   1448.5
 20.0    1.76    1.76   33.79   27.02   102.7   0.045   1455.9
 25.0    2.90    2.90   34.46   27.46    61.3   0.049   1461.9
 30.0    3.09    3.09   34.67   27.61    47.1   0.052   1463.1
 35.0    2.88    2.88   34.69   27.65    43.5   0.054   1462.2
 40.0    0.34    0.34   34.51   27.70    38.8   0.056   1450.8
 45.0    0.24    0.24   34.59   27.76    32.6   0.058   1450.6
 50.0    0.38    0.38   34.62   27.78    30.8   0.059   1451.3
 55.0    0.65    0.64   34.65   27.79    30.2   0.061   1452.7
 60.0    0.80    0.80   34.66   27.79    30.2   0.063   1453.5
 65.0    0.91    0.90   34.68   27.80    29.5   0.064   1454.0
 70.0    1.24    1.24   34.74   27.82    27.0   0.065   1455.7
 75.0    1.82    1.82   34.89   27.90    20.3   0.067   1458.6
 80.0    3.09    3.08   34.95   27.84    25.9   0.068   1464.3
 85.0    3.04    3.04   34.95   27.84    25.7   0.069   1464.1
 90.0    3.07    3.07   34.95   27.84    25.8   0.070   1464.3
 95.0    3.14    3.14   34.97   27.85    25.3   0.072   1464.7
100.0    3.31    3.30   35.01   27.86    24.0   0.073   1465.6
110.0    3.20    3.19   34.99   27.86    24.4   0.075   1465.3
120.0    3.07    3.06   34.99   27.87    23.5   0.078   1464.9
130.0    2.89    2.89   34.97   27.87    22.9   0.080   1464.3
140.0    2.87    2.86   34.99   27.89    21.3   0.082   1464.3
150.0    2.71    2.70   34.98   27.90    21.0   0.085   1463.8
160.0    2.62    2.61   34.97   27.89    21.4   0.087   1463.6
170.0    2.58    2.57   34.97   27.90    21.0   0.089   1463.6
180.0    2.60    2.59   34.98   27.90    20.4   0.091   1463.8
190.0    2.55    2.54   34.97   27.90    20.5   0.093   1463.8
200.0    2.55    2.53   34.98   27.91    19.8   0.095   1463.9
210.0    2.41    2.40   34.97   27.91    19.8   0.097   1463.5
220.0    2.32    2.31   34.98   27.93    18.0   0.099   1463.3
230.0    2.21    2.19   34.97   27.93    18.0   0.101   1462.9
240.0    2.17    2.16   34.96   27.92    18.6   0.103   1462.9
250.0    2.14    2.13   34.97   27.94    17.3   0.104   1463.0
260.0    2.05    2.04   34.96   27.93    17.7   0.106   1462.7
270.0    2.03    2.02   34.96   27.94    17.5   0.108   1462.8
280.0    2.04    2.03   34.97   27.94    16.8   0.110   1463.0
290.0    2.03    2.01   34.97   27.94    16.9   0.111   1463.1
300.0    2.00    1.99   34.97   27.95    16.7   0.113   1463.2
306.4    2.02    2.00   34.98   27.96    15.8   0.114   1463.4

                         DEPTH      TEMP.      SALIN
```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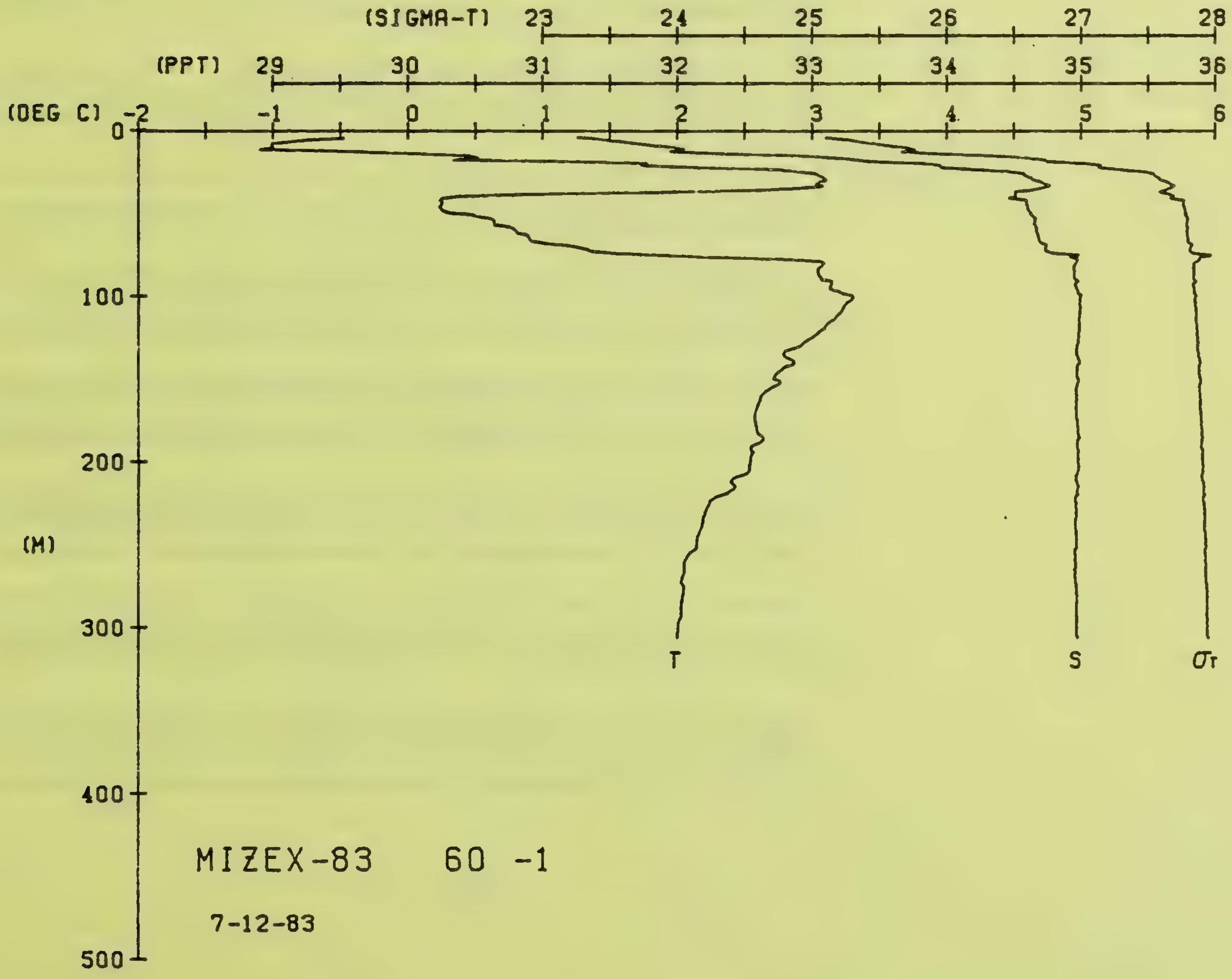
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 59 -1
7-12-83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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 60 -1
7-12-83

```
MIZEX-83 STATION  61(1) CTD  15/JUL/1983 1917 GMT  CODE = 1
LAT = 79.2033N LNG =  -1.5650W LTER =    300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.58    0.58   31.50   25.25   270.6   0.000   1447.1
   1.9    0.58    0.58   31.50   25.25   270.6   0.005   1447.1
   5.0    0.26    0.26   31.57   25.33   263.7   0.014   1445.8
  10.0    0.10    0.10   31.54   25.31   265.1   0.027   1445.1
  15.0   -0.68   -0.68   32.75   26.32   169.5   0.038   1443.3
  20.0   -0.84   -0.84   33.33   26.80   123.9   0.045   1443.4
  25.0   -1.04   -1.04   33.65   27.06    98.8   0.051   1443.0
  30.0   -1.31   -1.31   33.79   27.18    87.1   0.056   1442.0
  35.0    0.30    0.29   34.14   27.40    67.1   0.060   1450.0
  40.0   -0.62   -0.62   34.26   27.53    54.0   0.063   1446.1
  45.0   -0.46   -0.46   34.28   27.54    53.2   0.065   1446.9
  50.0    0.24    0.24   34.30   27.53    54.4   0.068   1450.3
  55.0    0.53    0.53   34.48   27.66    42.6   0.071   1451.9
  60.0    1.42    1.42   34.60   27.70    39.1   0.073   1456.2
  65.0    1.63    1.63   34.66   27.73    36.2   0.074   1457.3
  70.0    2.11    2.11   34.76   27.77    32.5   0.076   1459.6
  75.0    2.69    2.69   34.81   27.76    32.9   0.078   1462.3
  80.0    2.75    2.74   34.83   27.77    32.1   0.080   1462.6
  85.0    2.76    2.76   34.87   27.80    29.7   0.081   1462.8
  90.0    2.81    2.80   34.89   27.81    28.5   0.083   1463.1
  95.0    2.85    2.84   34.88   27.81    29.1   0.084   1463.4
 100.0    2.84    2.84   34.89   27.81    28.7   0.085   1463.4
 110.0    2.74    2.73   34.93   27.85    24.6   0.088   1463.2
 120.0    2.84    2.84   34.92   27.83    26.8   0.091   1463.8
 130.0    2.50    2.49   34.87   27.82    27.5   0.094   1462.4
 140.0    2.66    2.65   34.95   27.88    22.7   0.096   1463.4
 150.0    2.58    2.57   34.94   27.87    23.0   0.098   1463.2
 160.0    2.31    2.30   34.91   27.87    22.9   0.101   1462.1
 170.0    2.27    2.26   34.93   27.89    21.5   0.103   1462.2
 180.0    2.22    2.21   34.92   27.89    21.8   0.105   1462.1
 190.0    2.21    2.20   34.93   27.90    20.7   0.107   1462.2
 200.0    2.33    2.32   34.94   27.90    20.7   0.109   1462.9
 210.0    2.29    2.28   34.95   27.91    19.9   0.111   1462.9
 220.0    2.23    2.22   34.95   27.92    19.2   0.113   1462.8
 230.0    2.22    2.21   34.96   27.92    19.1   0.115   1463.0
 240.0    2.24    2.23   34.97   27.93    18.3   0.117   1463.2
 250.0    2.19    2.18   34.96   27.93    18.5   0.119   1463.2
 260.0    2.05    2.04   34.92   27.90    20.8   0.121   1462.7
 270.0    1.97    1.96   34.94   27.92    18.8   0.123   1462.5
 280.0    1.90    1.89   34.94   27.93    18.0   0.125   1462.4
 290.0    1.87    1.86   34.94   27.94    17.5   0.127   1462.4
 300.0    1.81    1.79   34.94   27.94    17.1   0.128   1462.3
 307.9    1.84    1.83   34.96   27.95    16.4   0.130   1462.6

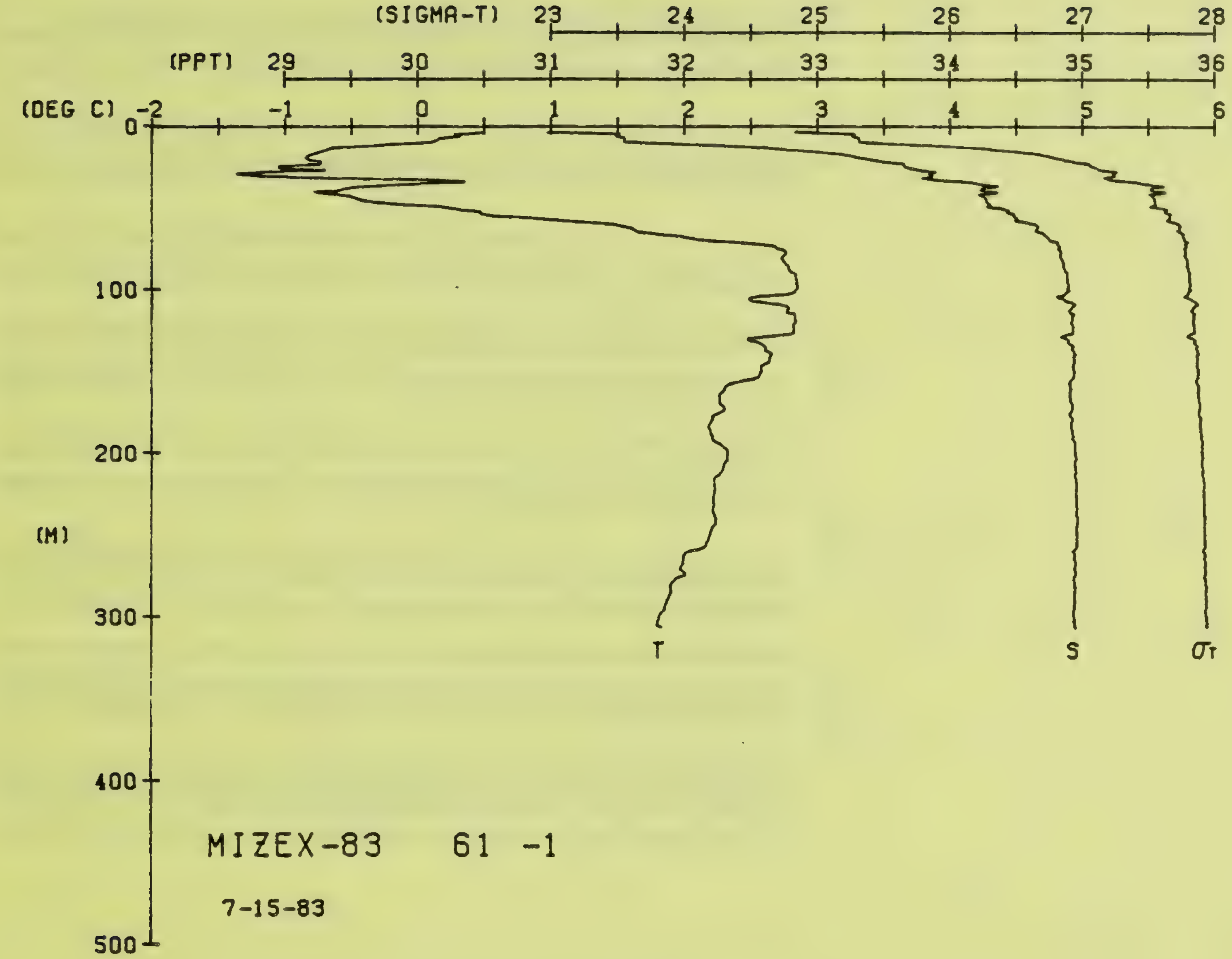
                        DEPTH       TEMP.       SALIN
```

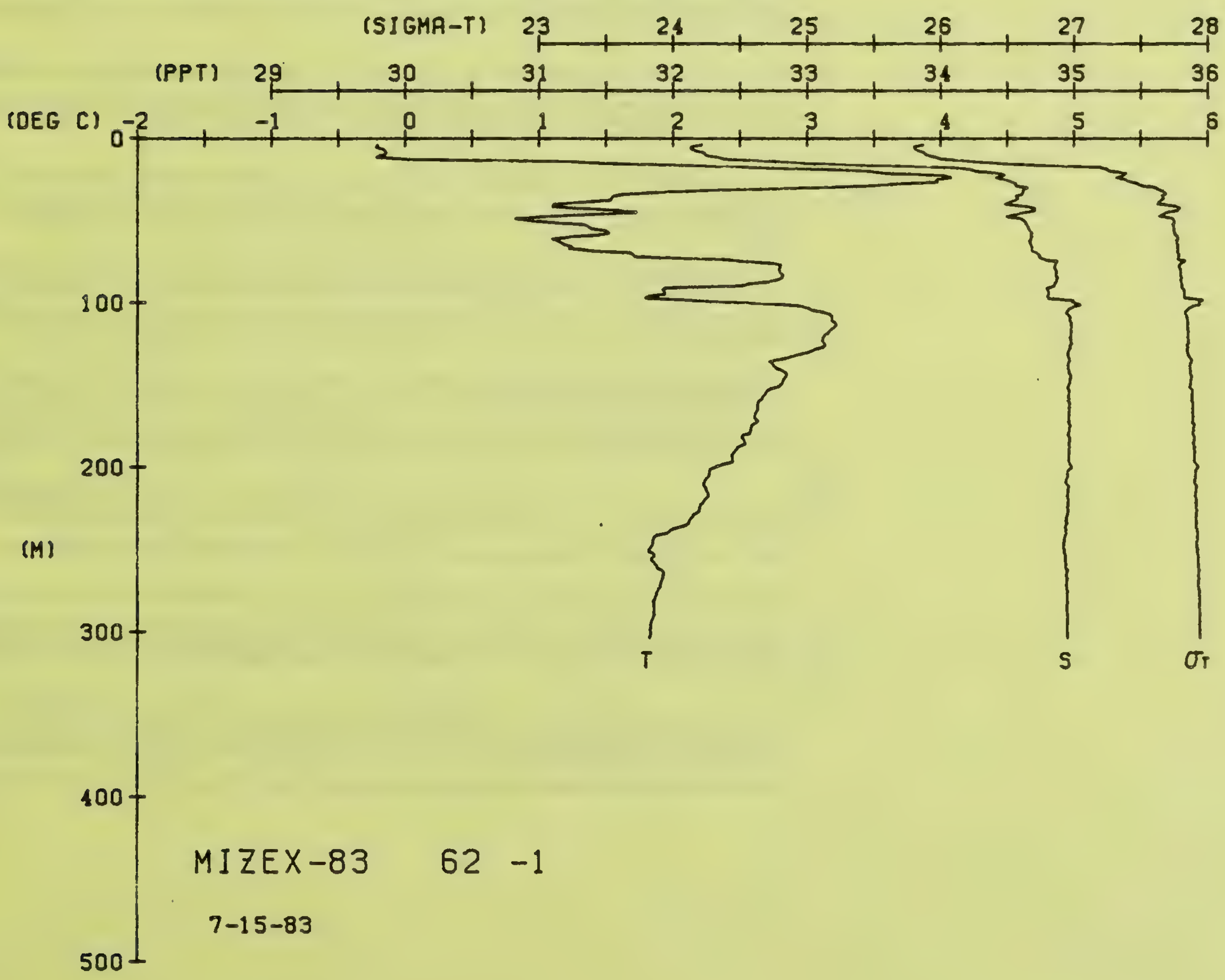
```
MIZEX-83 STATION  62(1) CTD  15/JUL/1983 1935 GMT  CODE = 1
LAT = 79.4450N LNG =  -2.0833W LTER =    300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.24   -0.24   32.44   26.05   195.2   0.000   1444.6
   2.0   -0.24   -0.24   32.44   26.05   195.2   0.004   1444.7
   5.0   -0.21   -0.21   32.16   25.82   216.5   0.010   1444.5
  10.0   -0.15   -0.15   32.26   25.90   209.4   0.021   1445.0
  15.0    1.35    1.35   32.92   26.35   166.2   0.030   1452.8
  20.0    3.37    3.37   34.23   27.24    82.3   0.037   1463.5
  25.0    4.01    4.01   34.41   27.32    75.0   0.041   1466.5
  30.0    3.09    3.09   34.64   27.59    48.9   0.044   1463.0
  35.0    1.56    1.56   34.57   27.66    42.4   0.046   1456.3
  40.0    1.14    1.14   34.50   27.63    45.0   0.048   1454.4
  45.0    1.75    1.74   34.63   27.69    39.4   0.051   1457.4
  50.0    0.92    0.92   34.63   27.75    33.8   0.052   1453.8
  55.0    1.38    1.38   34.66   27.75    34.1   0.054   1456.0
  60.0    1.28    1.28   34.68   27.77    31.9   0.056   1455.6
  65.0    1.19    1.18   34.68   27.78    31.5   0.057   1455.3
  70.0    1.68    1.68   34.73   27.78    31.5   0.059   1457.6
  75.0    2.49    2.49   34.87   27.83    26.9   0.060   1461.5
  80.0    2.79    2.78   34.86   27.80    29.9   0.062   1462.8
  85.0    2.80    2.80   34.87   27.80    29.5   0.063   1463.0
  90.0    2.44    2.43   34.80   27.77    31.9   0.065   1461.4
  95.0    1.93    1.93   34.81   27.82    27.3   0.066   1459.3
 100.0    2.45    2.45   35.03   27.96    14.7   0.067   1461.9
 110.0    3.19    3.18   34.97   27.85    25.4   0.069   1465.2
 120.0    3.13    3.12   34.97   27.85    25.1   0.072   1465.1
 130.0    3.00    3.00   34.95   27.85    25.5   0.075   1464.7
 140.0    2.77    2.77   34.96   27.88    22.9   0.077   1463.9
 150.0    2.80    2.79   34.96   27.87    23.3   0.079   1464.2
 160.0    2.64    2.63   34.96   27.89    21.9   0.082   1463.6
 170.0    2.61    2.60   34.97   27.89    21.3   0.084   1463.7
 180.0    2.53    2.52   34.96   27.89    21.5   0.086   1463.5
 190.0    2.46    2.45   34.96   27.90    20.6   0.088   1463.4
 200.0    2.30    2.29   34.98   27.93    17.5   0.090   1462.9
 210.0    2.23    2.22   34.95   27.91    19.6   0.092   1462.7
 220.0    2.23    2.22   34.96   27.92    19.0   0.094   1462.9
 230.0    2.14    2.13   34.94   27.91    19.4   0.096   1462.6
 240.0    1.95    1.94   34.94   27.93    17.7   0.098   1461.9
 250.0    1.82    1.80   34.93   27.93    18.1   0.100   1461.5
 260.0    1.88    1.87   34.94   27.93    17.8   0.101   1462.0
 270.0    1.91    1.89   34.95   27.94    17.1   0.103   1462.3
 280.0    1.86    1.85   34.95   27.95    16.6   0.105   1462.2
 290.0    1.86    1.84   34.96   27.95    16.2   0.106   1462.4
 300.0    1.83    1.81   34.95   27.95    16.4   0.108   1462.4
 303.5    1.82    1.81   34.96   27.95    16.0   0.109   1462.5

                        DEPTH       TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 61 -1
7-15-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 62 -1
7-15-83

```
MIZEX-83 STATION  63(1) CTD  15/JUL/1983 2005 GMT  CODE = 1
LAT = 79.1667N LNG =  -0.9867W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.15    0.15   22.83   18.29   937.7   0.000   1433.2
   1.9    0.15    0.15   22.83   18.29   937.7   0.019   1433.3
   5.0   -1.53   -1.53   31.72   25.51   246.1   0.037   1437.7
  10.0   -1.57   -1.57   31.98   25.72   226.3   0.049   1437.9
  15.0   -1.63   -1.63   32.27   25.96   203.4   0.060   1438.1
  20.0   -1.46   -1.46   32.80   26.38   163.2   0.069   1439.8
  25.0   -0.90   -0.91   33.86   27.22    83.6   0.075   1443.9
  30.0    0.76    0.76   33.91   27.18    87.4   0.079   1451.7
  35.0    0.17    0.17   34.12   27.39    68.1   0.083   1449.4
  40.0   -0.26   -0.26   34.32   27.57    50.7   0.086   1447.8
  45.0   -0.23   -0.23   34.31   27.56    51.6   0.089   1448.0
  50.0   -0.37   -0.37   34.46   27.69    39.6   0.091   1447.7
  55.0   -0.17   -0.17   34.49   27.70    38.3   0.093   1448.7
  60.0    0.18    0.18   34.54   27.72    36.2   0.095   1450.5
  65.0    0.47    0.46   34.59   27.75    33.8   0.097   1451.9
  70.0    0.51    0.51   34.57   27.73    35.6   0.099   1452.2
  75.0    0.96    0.96   34.63   27.75    33.7   0.100   1454.4
  80.0    1.00    1.00   34.68   27.79    30.1   0.102   1454.7
  85.0    1.32    1.31   34.69   27.77    31.7   0.104   1456.2
  90.0    1.18    1.17   34.71   27.80    28.9   0.105   1455.7
  95.0    1.16    1.16   34.72   27.81    28.7   0.107   1455.7
 100.0    1.32    1.31   34.75   27.82    27.5   0.108   1456.5
 110.0    1.64    1.64   34.80   27.84    25.9   0.111   1458.2
 120.0    1.72    1.72   34.83   27.85    24.4   0.113   1458.8
 130.0    1.81    1.80   34.84   27.86    24.1   0.116   1459.4
 140.0    1.86    1.85   34.85   27.86    23.8   0.118   1459.7
 150.0    1.94    1.94   34.88   27.88    22.5   0.120   1460.3
 160.0    2.04    2.04   34.88   27.87    23.2   0.123   1460.9
 170.0    1.98    1.97   34.88   27.88    22.1   0.125   1460.8
 180.0    2.00    1.99   34.89   27.89    21.8   0.127   1461.1
 190.0    1.97    1.96   34.90   27.89    21.1   0.129   1461.2
 200.0    1.96    1.95   34.92   27.91    19.8   0.132   1461.3
 210.0    2.03    2.01   34.92   27.91    19.8   0.134   1461.7
 220.0    1.97    1.96   34.91   27.90    20.2   0.136   1461.7
 230.0    1.96    1.95   34.92   27.91    19.7   0.138   1461.8
 240.0    1.95    1.94   34.92   27.91    19.4   0.140   1461.9
 250.0    1.90    1.88   34.94   27.93    17.9   0.141   1461.9
 260.0    1.79    1.78   34.92   27.93    18.2   0.143   1461.5
 270.0    1.79    1.78   34.93   27.93    17.9   0.145   1461.7
 280.0    1.85    1.83   34.93   27.93    18.0   0.147   1462.1
 290.0    1.81    1.79   34.94   27.94    17.2   0.149   1462.1

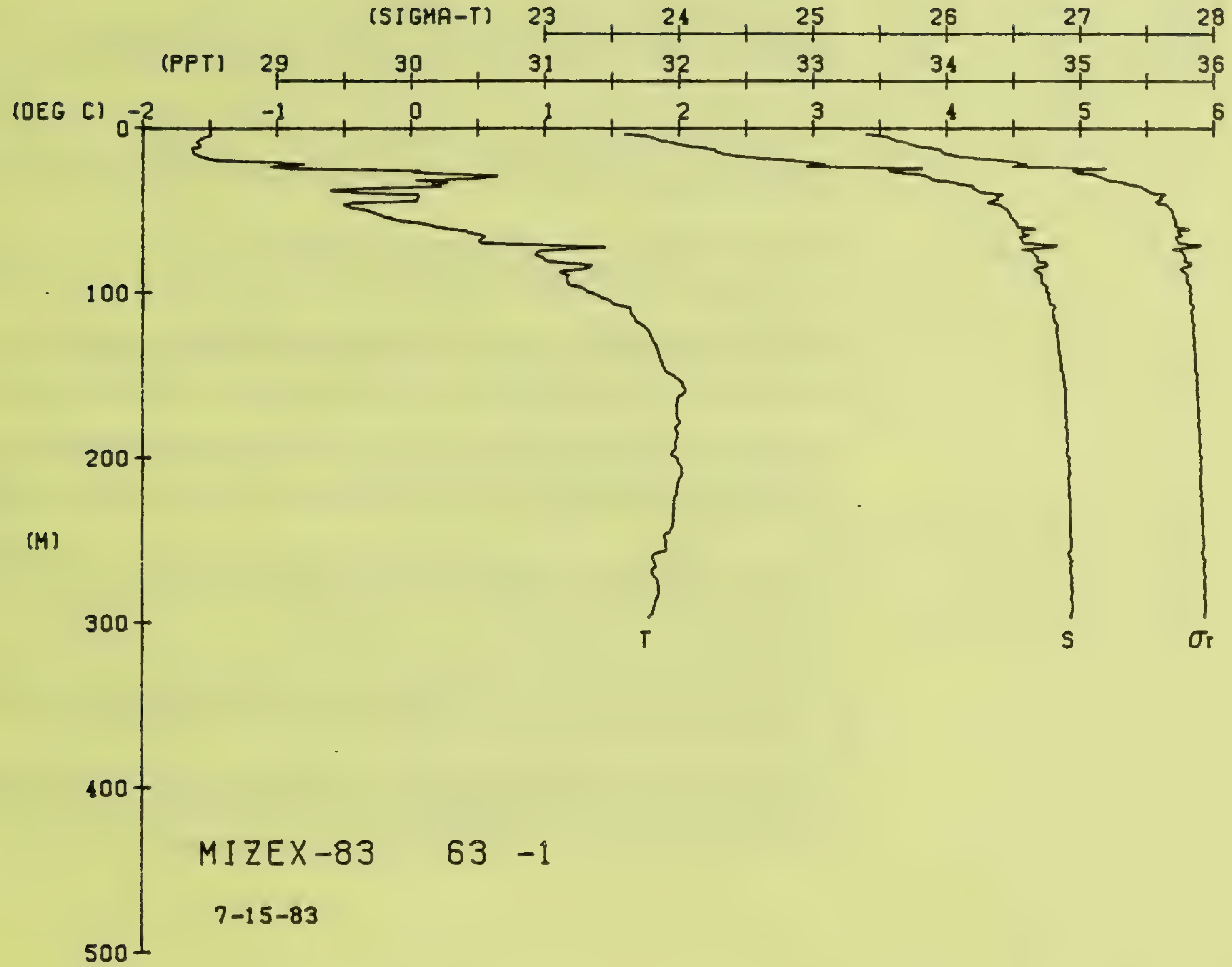
                        DEPTH       TEMP.       SALIN
```

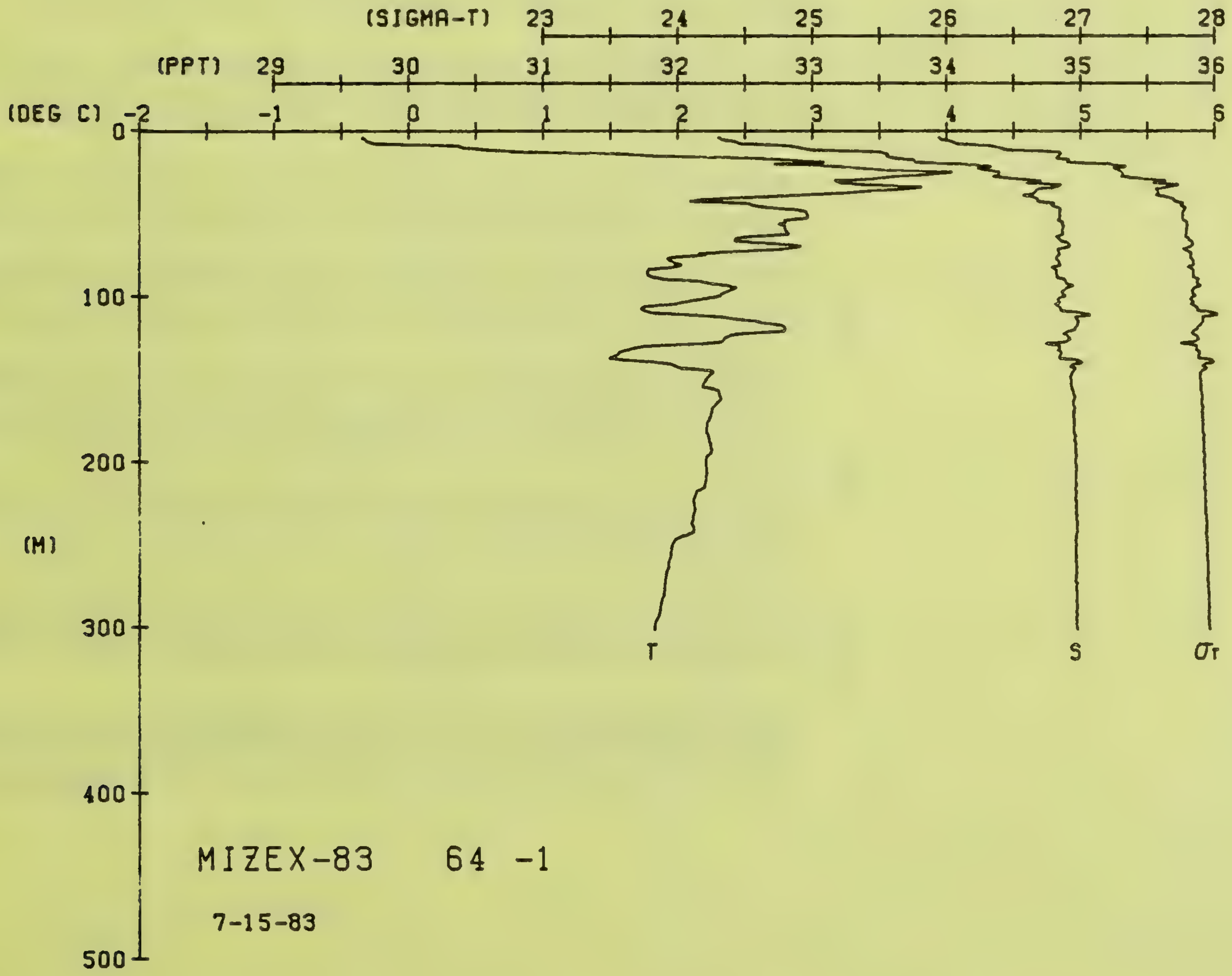
```
MIZEX-83 STATION  64(1) CTD  15/JUL/1983 2038 GMT  CODE = 1
LAT = 79.5317N LNG =  -1.7033W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -0.11   -0.11   31.97   25.66   231.9   0.000   1444.6
  2.0   -0.11   -0.11   31.97   25.66   231.9   0.005   1444.6
  5.0   -0.33   -0.33   32.31   25.95   204.3   0.011   1444.1
 10.0    0.41    0.41   32.86   26.36   165.5   0.021   1448.3
 15.0    1.78    1.78   33.43   26.73   130.2   0.028   1455.4
 20.0    2.86    2.86   33.88   27.01   104.2   0.034   1460.8
 25.0    3.87    3.87   34.40   27.32    74.5   0.039   1465.9
 30.0    3.29    3.29   34.53   27.49    59.0   0.042   1463.7
 35.0    3.74    3.74   34.71   27.58    49.9   0.045   1466.0
 40.0    2.56    2.56   34.63   27.63    45.2   0.047   1460.9
 45.0    2.55    2.55   34.78   27.75    34.1   0.049   1461.1
 50.0    2.96    2.96   34.84   27.76    32.9   0.051   1463.1
 55.0    2.80    2.80   34.86   27.80    29.8   0.052   1462.5
 60.0    2.80    2.80   34.86   27.79    30.0   0.054   1462.6
 65.0    2.43    2.43   34.84   27.81    28.3   0.055   1461.0
 70.0    2.92    2.91   34.91   27.82    27.5   0.057   1463.3
 75.0    2.21    2.20   34.84   27.83    26.9   0.058   1460.2
 80.0    1.99    1.98   34.84   27.85    25.0   0.059   1459.3
 85.0    1.77    1.77   34.83   27.85    24.6   0.061   1458.4
 90.0    1.97    1.96   34.88   27.88    22.0   0.062   1459.4
 95.0    2.43    2.42   34.87   27.83    26.3   0.063   1461.5
100.0    2.31    2.31   34.86   27.83    26.4   0.064   1461.1
110.0    1.80    1.80   34.99   27.98    12.4   0.066   1459.2
120.0    2.80    2.79   34.96   27.87    23.2   0.068   1463.7
130.0    1.74    1.73   34.85   27.87    22.6   0.071   1459.0
140.0    1.88    1.87   35.00   27.98    12.9   0.072   1460.0
150.0    2.21    2.20   34.93   27.90    20.5   0.074   1461.6
160.0    2.32    2.31   34.96   27.91    19.5   0.076   1462.2
170.0    2.25    2.24   34.95   27.91    19.2   0.078   1462.1
180.0    2.21    2.20   34.96   27.93    18.2   0.080   1462.1
190.0    2.25    2.24   34.97   27.93    17.9   0.082   1462.5
200.0    2.20    2.19   34.97   27.93    17.9   0.084   1462.4
210.0    2.21    2.19   34.97   27.93    17.6   0.085   1462.6
220.0    2.13    2.12   34.97   27.94    16.9   0.087   1462.4
230.0    2.13    2.11   34.97   27.94    17.0   0.089   1462.6
240.0    2.12    2.11   34.98   27.95    16.2   0.090   1462.7
250.0    1.95    1.94   34.98   27.96    15.4   0.092   1462.2
260.0    1.93    1.91   34.98   27.96    15.3   0.094   1462.2
270.0    1.91    1.90   34.97   27.96    15.4   0.095   1462.3
280.0    1.90    1.88   34.98   27.96    15.0   0.097   1462.4
290.0    1.86    1.85   34.98   27.97    14.7   0.098.  1462.4
300.0    1.83    1.81   34.98   27.97    14.5   0.100   1462.4

                       DEPTH       TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 63 -1
7-15-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 64 -1
7-15-83

```
MIZEX-83 STATION  65(1) CTD  15/JUL/1983 2056 GMT  CODE = 1
LAT = 79. 2450N LNG =  -0. 4767W LTER =    300. LGER =    300.
AIR TEMP =    0. 0 BAROM =      0. 0 WIND =    0. 0 SPEED =    0. 0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0  -0. 88  -0. 88  31. 63  25. 42  255. 2  0. 000  1440. 5
   1. 9  -0. 88  -0. 88  31. 63  25. 42  255. 2  0. 005  1440. 6
   5. 0  -0. 98  -0. 98  31. 59  25. 39  257. 5  0. 013  1440. 1
  10. 0  -1. 30  -1. 30  32. 08  25. 79  219. 2  0. 025  1439. 4
  15. 0  -1. 47  -1. 47  32. 74  26. 34  167. 5  0. 035  1439. 5
  20. 0  -1. 65  -1. 65  33. 51  26. 97  107. 6  0. 042  1439. 9
  25. 0  -1. 62  -1. 62  33. 74  27. 15   90. 5  0. 047  1440. 4
  30. 0  -1. 63  -1. 63  33. 87  27. 26   79. 8  0. 051  1440. 6
  35. 0  -1. 63  -1. 63  33. 97  27. 34   72. 8  0. 055  1440. 8
  40. 0  -1. 63  -1. 63  34. 02  27. 38   68. 4  0. 058  1441. 0
  45. 0  -1. 64  -1. 65  34. 07  27. 42   64. 8  0. 062  1441. 1
  50. 0  -1. 65  -1. 65  34. 13  27. 47   60. 4  0. 065  1441. 2
  55. 0  -1. 63  -1. 64  34. 14  27. 48   59. 3  0. 068  1441. 4
  60. 0  -1. 58  -1. 58  34. 18  27. 51   56. 1  0. 071  1441. 8
  65. 0  -1. 42  -1. 42  34. 22  27. 54   53. 5  0. 074  1442. 7
  70. 0  -1. 19  -1. 19  34. 30  27. 59   48. 4  0. 076  1444. 0
  75. 0  -0. 91  -0. 91  34. 35  27. 63   45. 1  0. 079  1445. 4
  80. 0  -0. 70  -0. 70  34. 35  27. 62   46. 0  0. 081  1446. 5
  85. 0  -0. 46  -0. 47  34. 42  27. 66   41. 6  0. 083  1447. 8
  90. 0   0. 03   0. 03  34. 60  27. 78   30. 6  0. 085  1450. 4
  95. 0   1. 21   1. 21  34. 66  27. 76   33. 5  0. 087  1455. 9
 100. 0   2. 28   2. 27  34. 82  27. 81   29. 0  0. 088  1460. 9
 110. 0   2. 55   2. 54  34. 84  27. 80   29. 8  0. 091  1462. 2
 120. 0   2. 71   2. 70  34. 87  27. 81   29. 2  0. 094  1463. 2
 130. 0   3. 03   3. 02  34. 94  27. 84   26. 4  0. 097  1464. 8
 140. 0   3. 05   3. 04  34. 95  27. 84   26. 5  0. 100  1465. 1
 150. 0   2. 92   2. 91  34. 94  27. 85   25. 7  0. 102  1464. 7
 160. 0   2. 92   2. 91  34. 95  27. 85   25. 5  0. 105  1464. 9
 170. 0   2. 87   2. 86  34. 95  27. 86   24. 7  0. 107  1464. 8
 180. 0   2. 89   2. 88  34. 96  27. 86   24. 5  0. 110  1465. 0
 190. 0   2. 86   2. 85  34. 96  27. 86   24. 3  0. 112  1465. 1
 200. 0   2. 81   2. 80  34. 96  27. 87   23. 5  0. 115  1465. 1
 210. 0   2. 81   2. 79  34. 97  27. 88   22. 8  0. 117  1465. 2
 220. 0   2. 77   2. 75  34. 98  27. 89   22. 3  0. 119  1465. 2
 230. 0   2. 76   2. 74  34. 97  27. 88   22. 8  0. 122  1465. 3
 240. 0   2. 61   2. 60  34. 95  27. 88   23. 1  0. 124  1464. 8
 250. 0   2. 35   2. 33  34. 89  27. 86   24. 9  0. 126  1463. 8
 260. 0   2. 19   2. 17  34. 93  27. 90   21. 2  0. 129  1463. 3
 270. 0   2. 04   2. 03  34. 91  27. 89   21. 6  0. 131  1462. 8
 280. 0   2. 22   2. 20  34. 91  27. 89   22. 5  0. 133  1463. 7
 290. 0   2. 12   2. 11  34. 94  27. 91   20. 1  0. 135  1463. 5
 300. 0   2. 16   2. 14  34. 95  27. 92   19. 7  0. 137  1463. 8
 310. 0   2. 12   2. 11  34. 96  27. 93   18. 5  0. 139  1463. 9

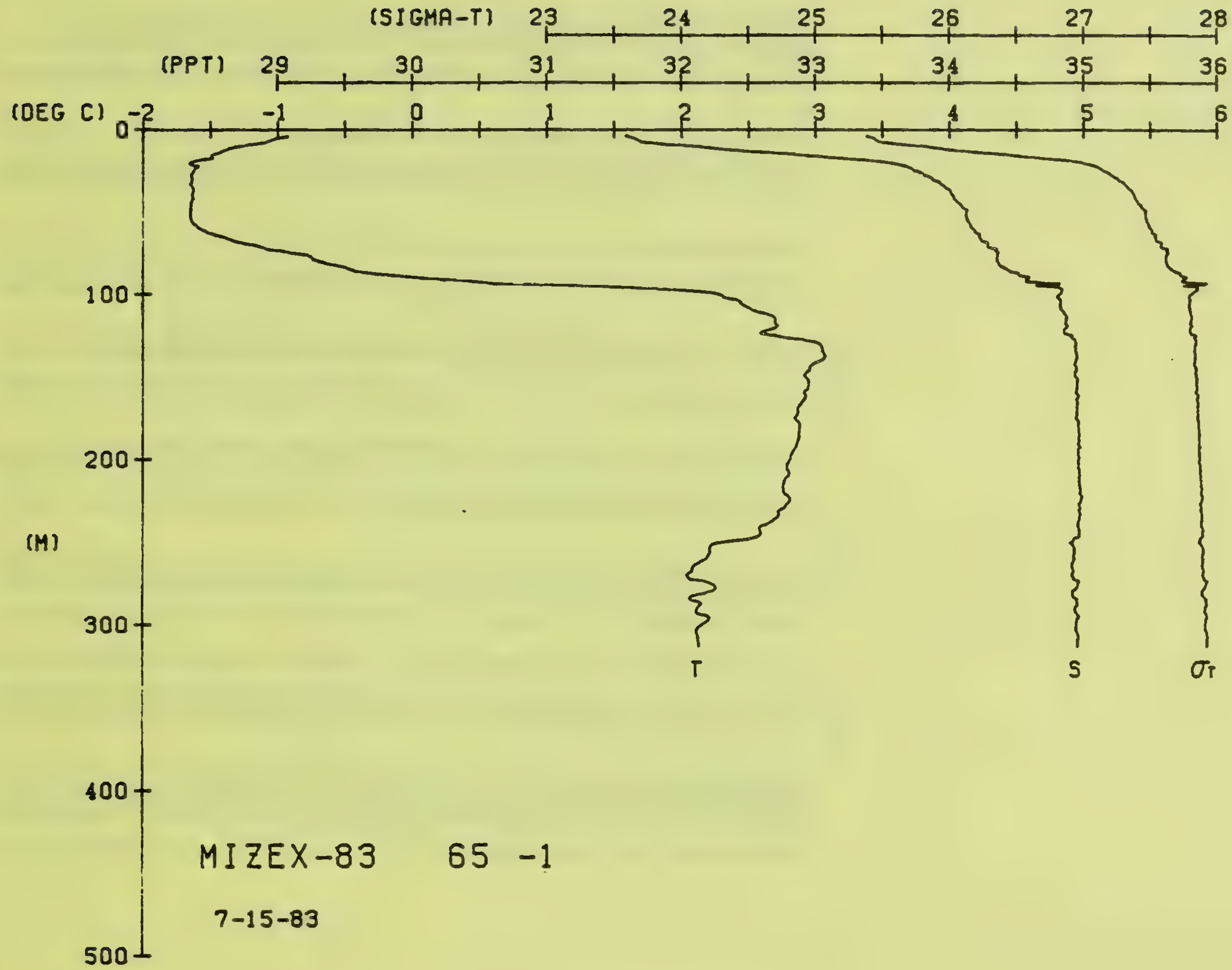
                         DEPTH       TEMP.       SALIN
```

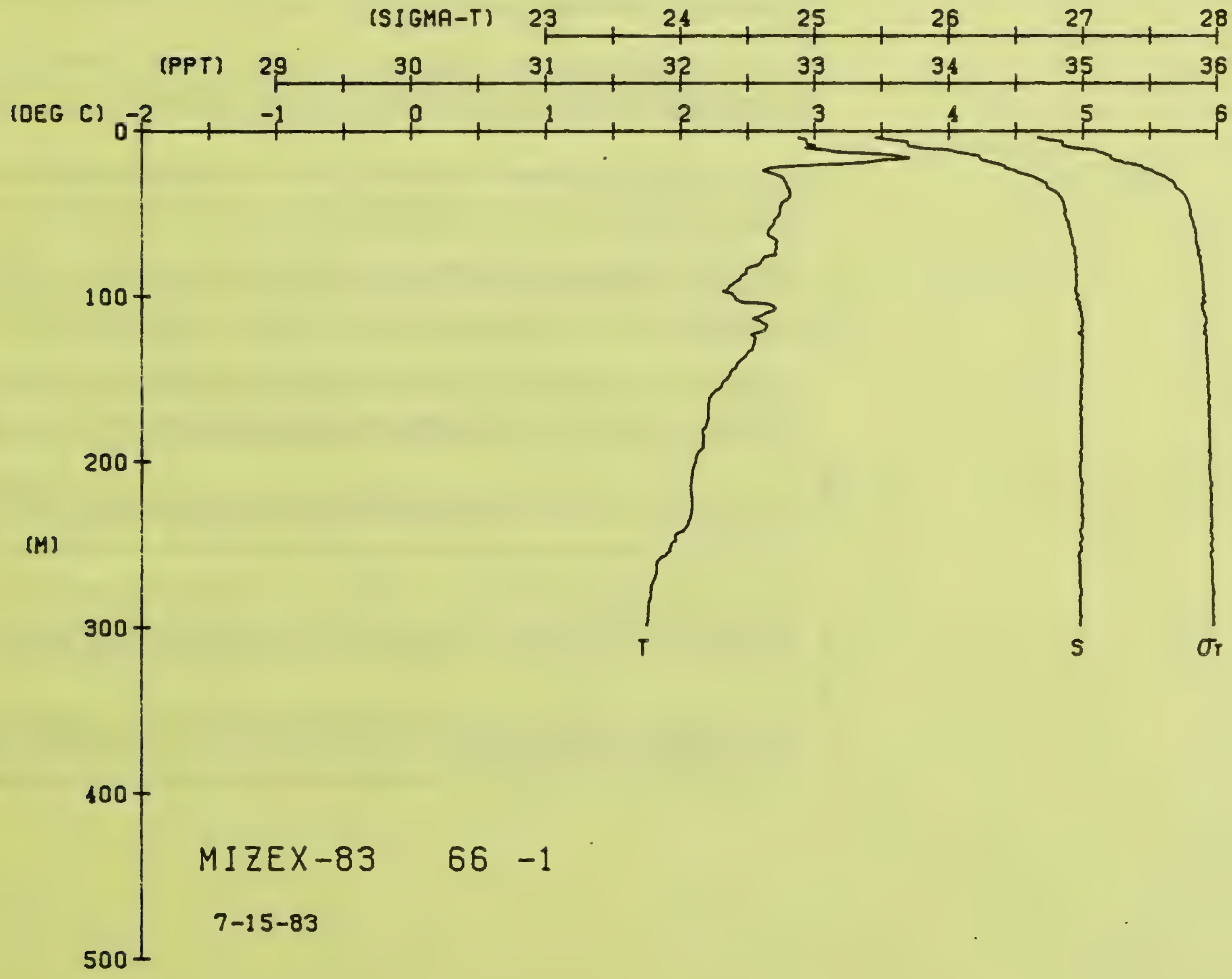
```
MIZEX-83 STATION  66(1) CTD  15/JUL/1983 2136 GMT  CODE = 1
LAT = 79. 6017N LNG =  -1. 3017W LTER =    300. LGER =    300.
AIR TEMP =    0. 0 BAROM =      0. 0 WIND =    0. 0 SPEED =    0. 0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0. 0   2. 44   2. 44  33. 24  26. 53  149. 6  0. 000  1457. 8
  2. 0   2. 44   2. 44  33. 24  26. 53  149. 6  0. 003  1457. 8
  5. 0   2. 93   2. 93  33. 54  26. 72  131. 0  0. 007  1460. 4
 10. 0   2. 95   2. 95  33. 73  26. 88  116. 4  0. 014  1460. 8
 15. 0   3. 57   3. 57  34. 19  27. 19   87. 3  0. 019  1464. 2
 20. 0   3. 28   3. 28  34. 34  27. 33   73. 3  0. 023  1463. 2
 25. 0   2. 64   2. 64  34. 51  27. 53   55. 0  0. 026  1460. 8
 30. 0   2. 77   2. 77  34. 68  27. 65   43. 4  0. 028  1461. 7
 35. 0   2. 81   2. 81  34. 75  27. 70   38. 6  0. 031  1462. 0
 40. 0   2. 81   2. 81  34. 83  27. 77   32. 4  0. 032  1462. 2
 45. 0   2. 75   2. 75  34. 86  27. 80   29. 6  0. 034  1462. 1
 50. 0   2. 74   2. 73  34. 86  27. 80   29. 5  0. 035  1462. 1
 55. 0   2. 70   2. 69  34. 89  27. 82   27. 1  0. 037  1462. 1
 60. 0   2. 66   2. 65  34. 91  27. 84   25. 4  0. 038  1462. 0
 65. 0   2. 69   2. 69  34. 92  27. 85   24. 8  0. 039  1462. 3
 70. 0   2. 72   2. 71  34. 94  27. 86   23. 9  0. 041  1462. 5
 75. 0   2. 71   2. 70  34. 94  27. 86   23. 5  0. 042  1462. 5
 80. 0   2. 59   2. 59  34. 95  27. 88   21. 9  0. 043  1462. 1
 85. 0   2. 49   2. 49  34. 95  27. 89   21. 1  0. 044  1461. 7
 90. 0   2. 44   2. 43  34. 95  27. 89   20. 8  0. 045  1461. 6
 95. 0   2. 36   2. 35  34. 95  27. 90   20. 3  0. 046  1461. 3
100. 0   2. 39   2. 39  34. 95  27. 90   20. 1  0. 047  1461. 6
110. 0   2. 65   2. 64  34. 99  27. 91   19. 2  0. 049  1462. 9
120. 0   2. 63   2. 63  35. 00  27. 91   18. 9  0. 051  1463. 0
130. 0   2. 54   2. 54  34. 99  27. 92   18. 3  0. 053  1462. 8
140. 0   2. 43   2. 42  35. 00  27. 93   17. 3  0. 055  1462. 4
150. 0   2. 34   2. 34  34. 99  27. 94   17. 1  0. 057  1462. 2
160. 0   2. 23   2. 22  34. 99  27. 94   16. 2  0. 058  1461. 9
170. 0   2. 20   2. 20  34. 99  27. 94   16. 4  0. 060  1462. 0
180. 0   2. 17   2. 16  34. 98  27. 95   16. 3  0. 062  1462. 0
190. 0   2. 17   2. 16  34. 99  27. 95   15. 5  0. 063  1462. 1
200. 0   2. 11   2. 10  34. 98  27. 95   16. 1  0. 065  1462. 0
210. 0   2. 08   2. 07  34. 99  27. 96   15. 2  0. 066  1462. 1
220. 0   2. 09   2. 07  35. 00  27. 96   14. 8  0. 068  1462. 3
230. 0   2. 09   2. 07  35. 00  27. 96   14. 9  0. 069  1462. 4
240. 0   2. 04   2. 03  35. 00  27. 97   14. 6  0. 071  1462. 4
250. 0   1. 93   1. 92  34. 98  27. 96   15. 0  0. 072  1462. 1
260. 0   1. 83   1. 81  34. 98  27. 97   14. 3  0. 074  1461. 8
270. 0   1. 81   1. 79  34. 98  27. 97   13. 9  0. 075  1461. 9
280. 0   1. 78   1. 76  34. 99  27. 98   13. 3  0. 077  1461. 9
290. 0   1. 76   1. 75  34. 98  27. 98   13. 7  0. 078  1462. 0
299. 1   1. 75   1. 73  34. 98  27. 98   13. 6  0. 079  1462. 1

                        DEPTH       TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 65 -1
7-15-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 66 -1
7-15-83

```
MIZEX-83 STATION  67(1) CTD  15/JUL/1983 2147 GMT  CODE = 1
LAT = 79.2517N LNG =    0.0283W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.49   -0.49   31.29   25.13   282.6   0.000   1441.8
   1.9   -0.49   -0.49   31.29   25.13   282.6   0.006   1441.9
   5.0   -0.43   -0.43   31.39   25.21   274.6   0.014   1442.4
  10.0   -0.93   -0.93   31.54   25.35   261.6   0.028   1440.3
  15.0   -1.37   -1.37   32.06   25.78   220.5   0.040   1439.1
  20.0   -1.51   -1.51   32.50   26.14   185.8   0.050   1439.1
  25.0   -1.62   -1.62   33.13   26.65   137.4   0.058   1439.5
  30.0   -1.60   -1.60   33.58   27.02   102.3   0.064   1440.4
  35.0   -1.64   -1.64   33.89   27.27    78.8   0.069   1440.7
  40.0   -1.68   -1.68   33.97   27.34    72.5   0.073   1440.7
  45.0   -1.69   -1.69   34.01   27.38    68.9   0.076   1440.8
  50.0   -1.66   -1.67   34.07   27.42    64.6   0.080   1441.1
  55.0   -1.69   -1.69   34.11   27.45    61.5   0.083   1441.1
  60.0   -1.71   -1.72   34.14   27.48    58.8   0.086   1441.1
  65.0   -1.71   -1.72   34.16   27.49    57.6   0.089   1441.2
  70.0   -1.65   -1.65   34.18   27.51    56.1   0.092   1441.6
  75.0   -1.45   -1.45   34.22   27.54    53.6   0.095   1442.7
  80.0   -1.20   -1.20   34.27   27.57    50.6   0.097   1444.1
  85.0   -0.99   -0.99   34.30   27.59    48.9   0.100   1445.2
  90.0   -0.80   -0.80   34.36   27.62    45.5   0.102   1446.2
  95.0   -0.55   -0.55   34.41   27.66    42.4   0.104   1447.5
 100.0   -0.33   -0.33   34.44   27.67    41.1   0.106   1448.7
 110.0    0.27    0.26   34.58   27.76    33.1   0.110   1451.8
 120.0    1.14    1.13   34.71   27.80    29.1   0.113   1456.0
 130.0    1.53    1.52   34.72   27.79    30.9   0.116   1457.9
 140.0    1.88    1.88   34.81   27.83    27.1   0.119   1459.8
 150.0    1.94    1.93   34.82   27.83    26.5   0.122   1460.2
 160.0    2.38    2.37   34.89   27.85    25.4   0.125   1462.4
 170.0    2.36    2.35   34.89   27.86    24.7   0.127   1462.5
 180.0    2.28    2.27   34.87   27.84    25.8   0.130   1462.3
 190.0    2.26    2.25   34.89   27.87    23.8   0.132   1462.4
 200.0    2.27    2.26   34.91   27.87    23.1   0.135   1462.6
 210.0    2.27    2.26   34.91   27.88    22.8   0.137   1462.8
 220.0    2.20    2.19   34.91   27.88    22.6   0.139   1462.7
 230.0    2.17    2.16   34.91   27.88    22.5   0.142   1462.7
 240.0    2.09    2.08   34.90   27.88    22.3   0.144   1462.5
 250.0    1.99    1.97   34.91   27.90    20.9   0.146   1462.2
 260.0    2.02    2.00   34.90   27.89    21.8   0.148   1462.5
 270.0    2.06    2.04   34.92   27.90    20.6   0.150   1462.9
 280.0    1.95    1.94   34.93   27.92    19.4   0.152   1462.6
 290.0    2.06    2.04   34.96   27.94    17.7   0.154   1463.3
 300.0    2.14    2.12   34.95   27.92    18.9   0.156   1463.8

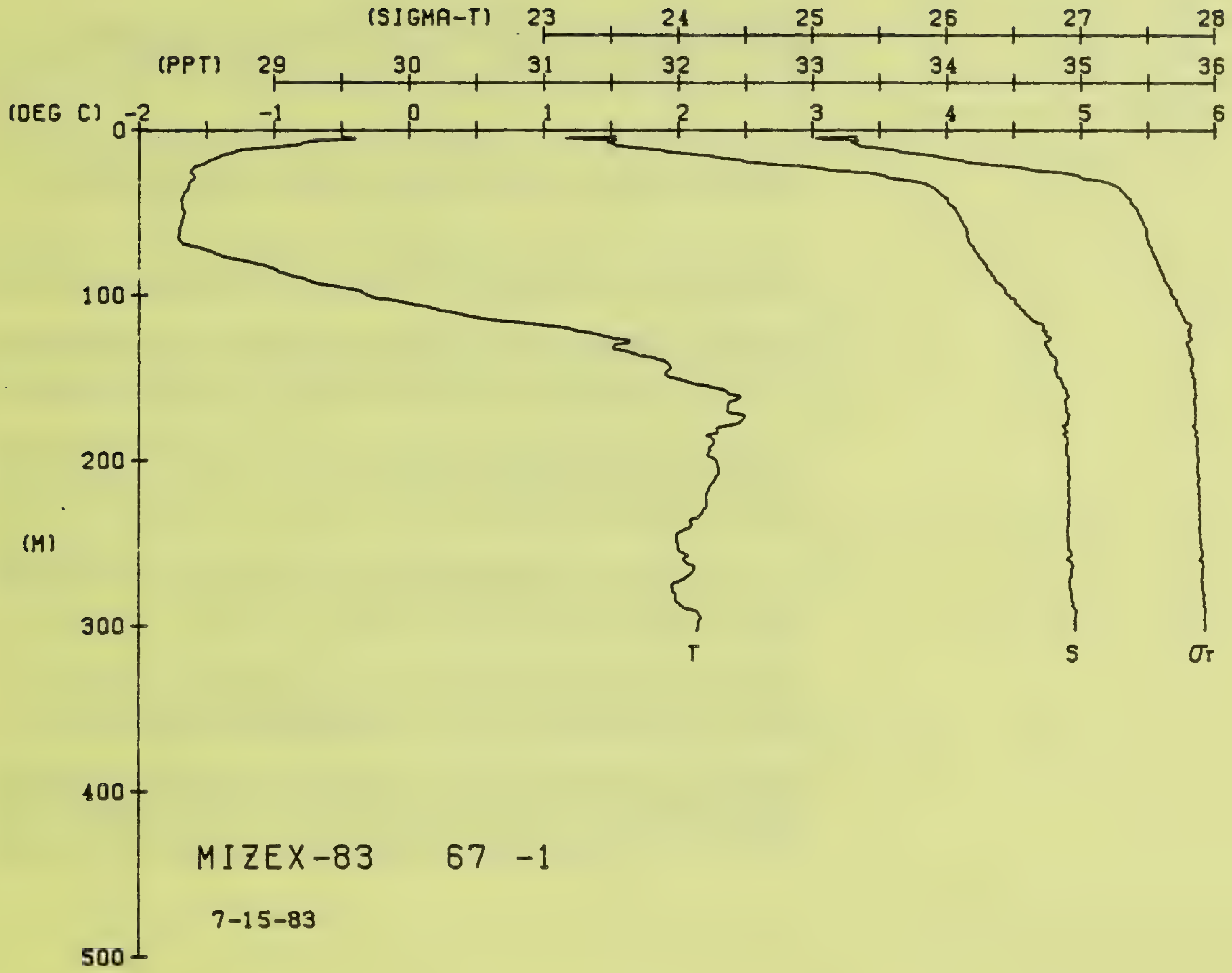
                         DEPTH       TEMP.       SALIN
```

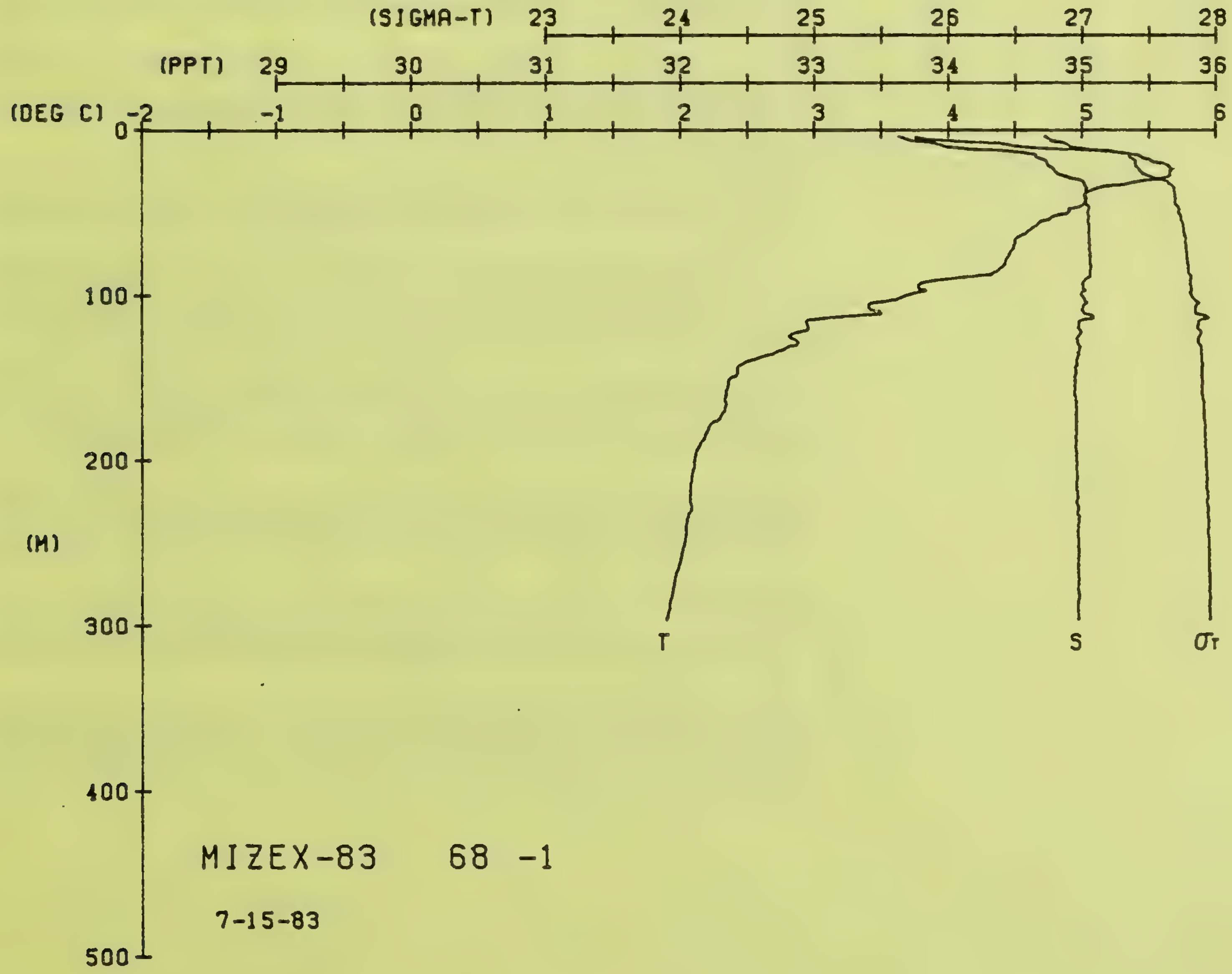
```
MIZEX-83 STATION  68(1) CTD  15/JUL/1983 2230 GMT  CODE = 1
LAT = 79.6767N LNG =  -0.9650W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    3.41    3.41   33.44   26.60   142.3   0.000   1462.3
   2.0    3.41    3.41   33.44   26.60   142.4   0.003   1462.3
   5.0    3.79    3.79   33.65   26.74   129.8   0.007   1464.2
  10.0    4.52    4.52   33.96   26.90   114.1   0.013   1467.8
  15.0    5.39    5.39   34.64   27.34    72.3   0.018   1472.4
  20.0    5.58    5.58   34.74   27.40    67.3   0.021   1473.4
  25.0    5.66    5.66   34.80   27.44    63.6   0.025   1473.9
  30.0    5.54    5.54   34.95   27.57    50.8   0.028   1473.7
  35.0    5.12    5.12   35.03   27.69    40.1   0.030   1472.1
  40.0    5.01    5.01   35.02   27.69    39.6   0.032   1471.8
  45.0    5.01    5.01   35.03   27.70    39.2   0.034   1471.8
  50.0    4.89    4.89   35.04   27.72    37.2   0.036   1471.5
  55.0    4.70    4.70   35.04   27.74    35.1   0.038   1470.8
  60.0    4.61    4.61   35.05   27.76    33.3   0.039   1470.5
  65.0    4.50    4.50   35.05   27.77    32.3   0.041   1470.1
  70.0    4.49    4.48   35.06   27.78    31.6   0.043   1470.1
  75.0    4.45    4.45   35.06   27.79    31.1   0.044   1470.1
  80.0    4.42    4.42   35.06   27.79    30.9   0.046   1470.0
  85.0    4.36    4.36   35.06   27.79    30.5   0.047   1469.9
  90.0    3.99    3.99   35.03   27.81    28.9   0.049   1468.4
  95.0    3.78    3.77   35.00   27.81    28.7   0.050   1467.5
 100.0    3.69    3.68   35.00   27.82    28.1   0.052   1467.2
 110.0    3.49    3.48   35.00   27.84    26.2   0.055   1466.5
 120.0    2.96    2.95   34.96   27.86    24.3   0.057   1464.4
 130.0    2.86    2.85   34.98   27.88    22.5   0.059   1464.1
 140.0    2.49    2.48   34.96   27.90    20.7   0.062   1462.7
 150.0    2.37    2.36   34.94   27.90    20.8   0.064   1462.3
 160.0    2.34    2.33   34.95   27.90    20.4   0.066   1462.3
 170.0    2.32    2.31   34.96   27.92    19.1   0.068   1462.4
 180.0    2.21    2.20   34.95   27.91    19.5   0.070   1462.1
 190.0    2.14    2.13   34.95   27.92    18.4   0.072   1462.0
 200.0    2.10    2.09   34.96   27.93    17.6   0.073   1462.0
 210.0    2.08    2.07   34.96   27.94    17.2   0.075   1462.1
 220.0    2.08    2.06   34.96   27.94    17.2   0.077   1462.2
 230.0    2.08    2.07   34.98   27.95    16.3   0.079   1462.4
 240.0    2.04    2.03   34.97   27.95    16.3   0.080   1462.4
 250.0    2.03    2.01   34.97   27.95    16.2   0.082   1462.5
 260.0    2.00    1.98   34.98   27.95    15.7   0.084   1462.5
 270.0    1.96    1.94   34.98   27.96    15.5   0.085   1462.5
 280.0    1.94    1.92   34.98   27.96    15.5   0.087   1462.6
 290.0    1.92    1.90   34.97   27.96    15.4   0.088   1462.7
 296.1    1.89    1.88   34.97   27.96    15.4   0.089   1462.7

                         DEPTH       TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
400
500
(M)
T
S
σT
MIZEX-83 67 -1
7-15-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
400
500
(M)
T
S
σT
MIZEX-83 68 -1
7-15-83

```
MIZEX-83 STATION  69(1) CTD  15/JUL/1983 2240 GMT  CODE = 1
LAT = 79.2550N LNG =   0.6017W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.77   -0.77   31.46   25.28   268.2   0.000   1440.8
   1.9   -0.77   -0.77   31.46   25.28   268.2   0.005   1440.8
   5.0   -0.83   -0.83   31.58   25.38   258.8   0.013   1440.8
  10.0   -1.31   -1.31   31.88   25.63   234.6   0.026   1439.0
  15.0   -1.44   -1.44   32.42   26.07   192.7   0.037   1439.2
  20.0   -1.58   -1.58   33.32   26.81   122.9   0.045   1439.9
  25.0   -1.57   -1.57   33.59   27.03   101.8   0.050   1440.4
  30.0   -1.58   -1.58   33.71   27.13    92.4   0.055   1440.6
  35.0   -1.65   -1.65   33.87   27.26    79.7   0.060   1440.7
  40.0   -1.65   -1.65   33.99   27.36    70.8   0.063   1440.9
  45.0   -1.64   -1.64   34.05   27.40    66.3   0.067   1441.1
  50.0   -1.65   -1.65   34.08   27.43    63.7   0.070   1441.2
  55.0   -1.69   -1.70   34.11   27.45    61.5   0.073   1441.1
  60.0   -1.69   -1.69   34.15   27.48    58.5   0.076   1441.2
  65.0   -1.65   -1.65   34.16   27.50    57.5   0.079   1441.5
  70.0   -1.54   -1.54   34.20   27.52    54.9   0.082   1442.2
  75.0   -1.44   -1.44   34.23   27.54    53.1   0.085   1442.8
  80.0   -1.28   -1.28   34.25   27.56    51.5   0.088   1443.6
  85.0   -1.02   -1.02   34.30   27.59    48.8   0.090   1445.0
  90.0   -0.42   -0.43   34.40   27.64    44.0   0.092   1448.0
  95.0    0.91    0.90   34.59   27.72    36.7   0.094   1454.4
 100.0    2.08    2.07   34.70   27.72    36.9   0.096   1459.8
 110.0    2.51    2.51   34.80   27.77    32.9   0.100   1462.0
 120.0    3.17    3.16   34.89   27.78    32.0   0.103   1465.2
 130.0    3.34    3.33   34.91   27.78    31.6   0.106   1466.1
 140.0    2.73    2.72   34.86   27.80    29.8   0.109   1463.6
 150.0    1.88    1.87   34.80   27.82    28.0   0.112   1459.9
 160.0    1.81    1.80   34.79   27.82    27.9   0.115   1459.8
 170.0    1.77    1.76   34.81   27.84    26.0   0.118   1459.8
 180.0    1.99    1.98   34.86   27.86    24.3   0.120   1461.0
 190.0    2.07    2.06   34.87   27.86    24.4   0.123   1461.5
 200.0    2.11    2.10   34.88   27.86    24.1   0.125   1461.9
 210.0    2.19    2.18   34.90   27.88    23.0   0.128   1462.4
 220.0    2.21    2.20   34.91   27.88    22.4   0.130   1462.7
 230.0    2.16    2.15   34.90   27.88    22.6   0.132   1462.7
 240.0    2.11    2.10   34.92   27.90    21.3   0.135   1462.6
 250.0    2.08    2.07   34.92   27.90    20.6   0.137   1462.6
 260.0    1.92    1.91   34.90   27.90    20.7   0.139   1462.1
 270.0    1.88    1.86   34.90   27.91    20.3   0.141   1462.1
 280.0    1.80    1.78   34.90   27.91    19.8   0.143   1461.9
 290.0    1.80    1.78   34.91   27.92    19.3   0.145   1462.0
 300.0    1.93    1.92   34.94   27.93    18.2   0.147   1462.9

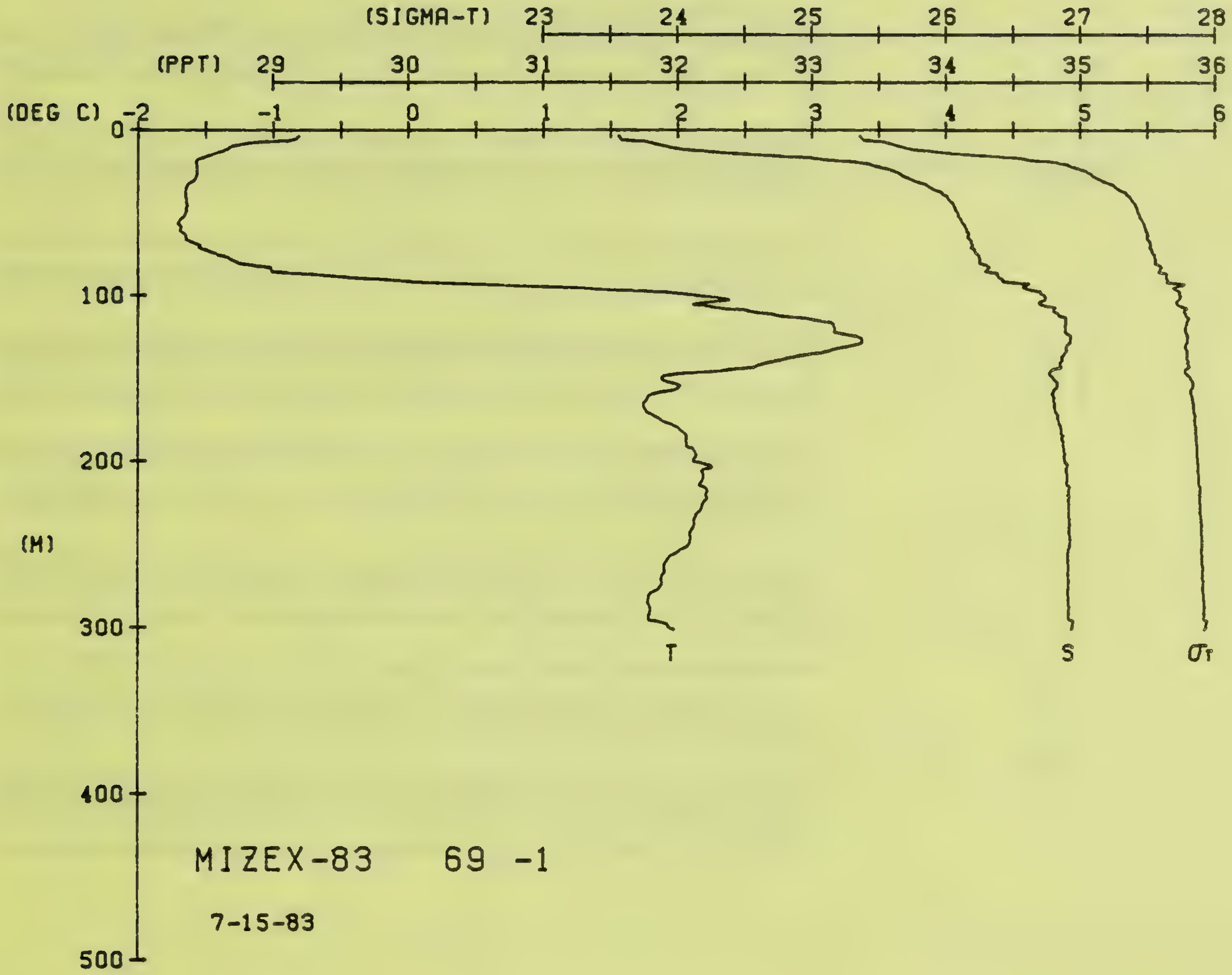
                         DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  70(1) CTD  15/JUL/1983 2321 GMT  CODE = 1
LAT = 79.7533N LNG =  -0.6117W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

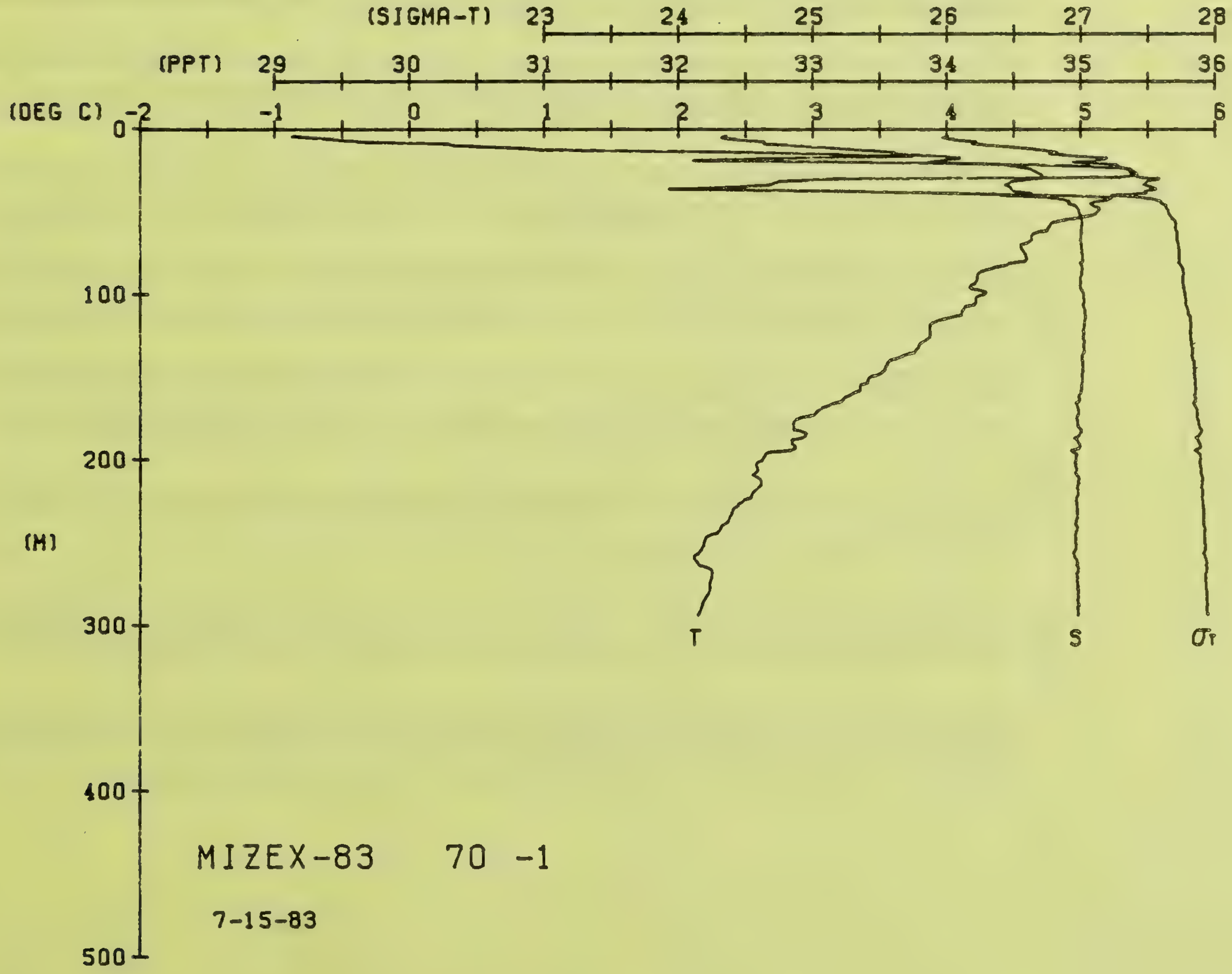
  0.0   -0.93   -0.93   32.23   25.91   208.3   0.000   1441.1
  2.0   -0.93   -0.93   32.23   25.91   208.3   0.004   1441.2
  5.0   -0.80   -0.80   32.36   26.00   199.3   0.010   1442.0
 10.0    0.31    0.31   32.70   26.24   177.2   0.020   1447.7
 15.0    2.73    2.73   33.67   26.84   119.7   0.027   1459.9
 20.0    2.71    2.71   34.03   27.14    92.0   0.033   1460.4
 25.0    5.38    5.38   34.66   27.36    70.8   0.037   1472.5
 30.0    4.26    4.26   34.66   27.49    58.5   0.040   1468.0
 35.0    2.54    2.53   34.46   27.49    58.4   0.043   1460.4
 40.0    4.59    4.59   34.44   27.28    79.1   0.047   1469.2
 45.0    5.06    5.06   34.92   27.60    48.1   0.050   1471.9
 50.0    5.12    5.11   34.99   27.66    43.3   0.052   1472.3
 55.0    4.90    4.89   35.01   27.69    39.9   0.054   1471.5
 60.0    4.76    4.75   35.00   27.71    38.7   0.056   1471.0
 65.0    4.63    4.63   35.00   27.72    37.7   0.058   1470.6
 70.0    4.55    4.54   35.00   27.73    36.5   0.060   1470.3
 75.0    4.58    4.58   35.01   27.73    36.6   0.062   1470.5
 80.0    4.58    4.58   35.02   27.74    35.9   0.064   1470.6
 85.0    4.30    4.30   35.01   27.77    33.2   0.065   1469.5
 90.0    4.23    4.22   35.00   27.76    33.6   0.067   1469.3
 95.0    4.17    4.16   34.99   27.76    33.4   0.069   1469.1
100.0    4.27    4.26   35.02   27.78    32.2   0.070   1469.7
110.0    4.11    4.11   35.03   27.80    30.2   0.074   1469.2
120.0    3.87    3.87   35.03   27.82    28.3   0.077   1468.3
130.0    3.80    3.79   35.02   27.83    27.8   0.079   1468.2
140.0    3.58    3.57   35.01   27.84    26.7   0.082   1467.4
150.0    3.43    3.42   35.01   27.85    25.5   0.085   1467.0
160.0    3.30    3.29   35.00   27.86    25.1   0.087   1466.5
170.0    3.04    3.03   34.99   27.87    23.7   0.090   1465.6
180.0    2.86    2.85   34.98   27.88    22.5   0.092   1465.0
190.0    2.85    2.84   34.99   27.89    22.0   0.094   1465.1
200.0    2.63    2.62   34.98   27.90    20.7   0.097   1464.3
210.0    2.58    2.57   34.99   27.92    19.5   0.099   1464.3
220.0    2.56    2.55   34.98   27.91    19.9   0.101   1464.3
230.0    2.42    2.40   34.98   27.92    19.1   0.103   1463.9
240.0    2.33    2.32   34.97   27.92    18.9   0.105   1463.6
250.0    2.20    2.18   34.97   27.93    18.1   0.106   1463.2
260.0    2.12    2.11   34.97   27.94    17.6   0.108   1463.1
270.0    2.26    2.24   34.98   27.93    18.0   0.110   1463.8
280.0    2.23    2.22   34.99   27.94    17.1   0.112   1463.9
290.0    2.17    2.16   34.99   27.95    16.8   0.114   1463.8
294.5    2.14    2.13   34.98   27.94    16.9   0.114   1463.7

                        DEPTH       TEMP.       SALIN
```



MIZEX-83 69 -1

7-15-83



MIZEX-83 70 -1

7-15-83

```
MIZEX-83 STATION  71(1) CTD  18/JUL/1983 1358 GMT  CODE = 1
LAT = 78.9467N LNG =  -1.3550W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.22   -0.22   32.26   25.91   208.6   0.000   1444.5
   2.0   -0.22   -0.22   32.26   25.91   208.6   0.004   1444.5
   5.0   -0.31   -0.31   32.19   25.85   213.6   0.011   1444.1
  10.0   -0.39   -0.39   32.16   25.83   215.7   0.022   1443.7
  15.0   -0.52   -0.52   32.23   25.89   210.1   0.032   1443.3
  20.0    1.51    1.51   34.10   27.29    77.5   0.040   1455.2
  25.0    5.28    5.28   34.68   27.39    68.0   0.043   1472.2
  30.0    4.73    4.73   34.68   27.45    62.4   0.046   1470.0
  35.0    5.26    5.26   34.89   27.56    52.0   0.049   1472.5
  40.0    4.89    4.89   34.98   27.67    41.8   0.052   1471.2
  45.0    4.67    4.67   34.99   27.71    38.1   0.054   1470.4
  50.0    4.66    4.66   35.01   27.72    37.2   0.056   1470.5
  55.0    4.52    4.52   35.02   27.74    35.1   0.058   1470.0
  60.0    4.40    4.40   35.01   27.75    33.9   0.059   1469.5
  65.0    4.27    4.27   35.02   27.77    32.1   0.061   1469.1
  70.0    4.22    4.22   35.00   27.77    32.9   0.063   1468.9
  75.0    4.18    4.17   35.02   27.78    31.6   0.064   1468.9
  80.0    4.06    4.05   35.00   27.78    31.7   0.066   1468.4
  85.0    3.96    3.95   35.03   27.81    28.5   0.067   1468.1
  90.0    3.85    3.84   35.01   27.81    28.6   0.069   1467.7
  95.0    3.62    3.61   35.01   27.83    26.7   0.070   1466.8
 100.0    3.56    3.55   34.98   27.81    28.8   0.072   1466.6
 110.0    3.48    3.47   35.00   27.84    26.2   0.074   1466.5
 120.0    2.98    2.97   34.94   27.84    26.2   0.077   1464.4
 130.0    2.86    2.85   34.94   27.85    25.1   0.080   1464.1
 140.0    3.05    3.04   34.96   27.85    25.1   0.082   1465.1
 150.0    3.01    3.00   34.98   27.87    23.8   0.085   1465.1
 160.0    2.93    2.92   34.98   27.87    23.3   0.087   1464.9
 170.0    2.84    2.83   34.98   27.89    22.0   0.089   1464.7
 180.0    2.84    2.82   34.99   27.89    21.6   0.091   1464.9
 190.0    2.77    2.76   34.98   27.89    21.6   0.094   1464.7
 200.0    2.66    2.65   34.97   27.89    21.4   0.096   1464.4
 210.0    2.44    2.43   34.97   27.91    19.7   0.098   1463.6
 220.0    2.28    2.26   34.94   27.90    20.5   0.100   1463.0
 230.0    2.31    2.30   34.97   27.92    19.2   0.102   1463.4
 240.0    2.34    2.33   34.98   27.93    18.4   0.104   1463.7
 250.0    2.30    2.29   34.97   27.93    18.5   0.106   1463.7
 260.0    2.25    2.24   34.98   27.93    17.8   0.108   1463.6
 270.0    2.20    2.18   34.98   27.94    17.6   0.109   1463.6
 280.0    2.26    2.24   34.99   27.94    17.4   0.111   1464.0
 290.0    2.18    2.16   34.97   27.93    17.9   0.113   1463.8
 300.0    2.19    2.17   34.98   27.94    17.2   0.115   1464.0
 302.0    2.18    2.16   34.98   27.94    17.5   0.115   1464.0

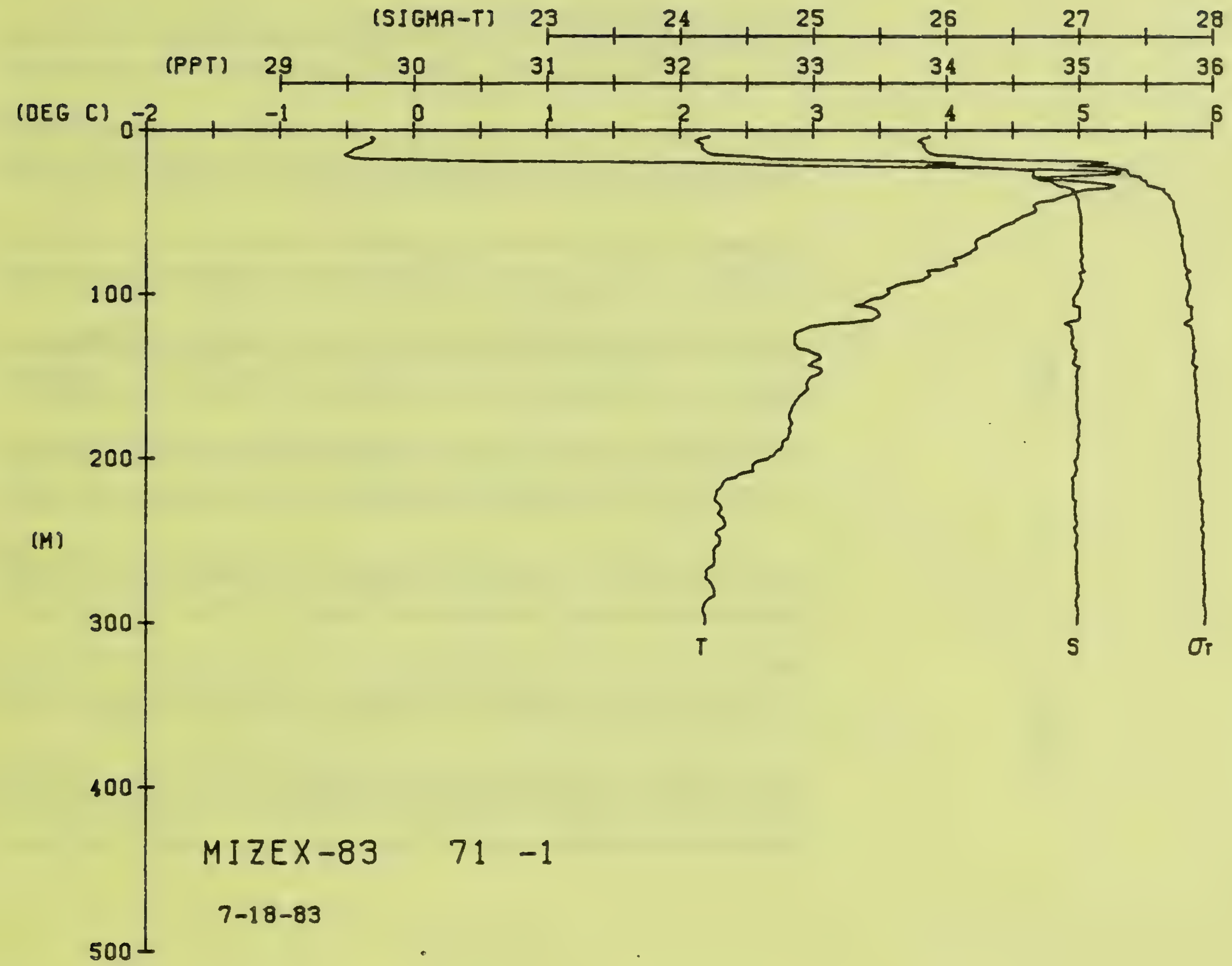
                    DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  72(1) CTD  18/JUL/1983 1425 GMT  CODE = 1
LAT = 79.2550N LNG =  -1.5000W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.77   -0.77   31.60   25.39   257.9   0.000   1441.0
   4.9   -0.77   -0.77   31.60   25.39   257.8   0.013   1441.1
   5.0   -0.77   -0.77   31.60   25.39   257.8   0.013   1441.1
  10.0   -0.80   -0.80   31.67   25.45   252.0   0.026   1441.1
  15.0   -0.89   -0.89   32.39   26.03   196.6   0.037   1441.8
  20.0    0.68    0.68   33.79   27.09    96.1   0.045   1451.0
  25.0    1.95    1.95   34.12   27.27    79.3   0.049   1457.2
  30.0   -0.07   -0.07   34.17   27.44    62.8   0.053   1448.3
  35.0   -0.91   -0.91   34.26   27.55    52.2   0.056   1444.7
  40.0   -1.56   -1.56   34.24   27.56    51.7   0.058   1441.7
  45.0   -1.35   -1.35   34.26   27.57    50.9   0.061   1442.8
  50.0   -0.56   -0.56   34.24   27.52    55.5   0.064   1446.5
  55.0    1.30    1.30   34.39   27.53    54.6   0.066   1455.3
  60.0    2.05    2.04   34.67   27.71    38.1   0.069   1459.0
  65.0    1.97    1.96   34.72   27.75    33.9   0.070   1458.8
  70.0    2.61    2.61   34.79   27.75    33.9   0.072   1461.8
  75.0    2.67    2.67   34.81   27.76    33.3   0.074   1462.2
  80.0    2.73    2.73   34.85   27.79    30.2   0.075   1462.6
  85.0    2.89    2.88   34.93   27.84    26.1   0.077   1463.4
  90.0    3.27    3.27   34.95   27.82    28.2   0.078   1465.2
  95.0    2.59    2.59   34.63   27.63    45.7   0.080   1461.9
 100.0    2.06    2.05   34.82   27.82    27.5   0.082   1459.9
 110.0    1.99    1.98   34.81   27.82    27.5   0.085   1459.8
 120.0    2.07    2.07   34.85   27.84    25.6   0.087   1460.4
 130.0    2.32    2.31   34.88   27.85    25.2   0.090   1461.6
 140.0    2.47    2.46   34.89   27.84    25.6   0.093   1462.5
 150.0    2.59    2.58   34.92   27.86    24.7   0.095   1463.2
 160.0    2.47    2.46   34.91   27.86    23.9   0.098   1462.8
 170.0    2.40    2.39   34.89   27.85    25.2   0.100   1462.7
 180.0    2.44    2.42   34.94   27.88    22.1   0.102   1463.1
 190.0    2.35    2.34   34.92   27.88    22.5   0.105   1462.8
 200.0    2.37    2.36   34.95   27.90    21.0   0.107   1463.1
 210.0    2.35    2.34   34.94   27.89    21.6   0.109   1463.2
 220.0    2.29    2.27   34.94   27.90    21.0   0.111   1463.1
 230.0    2.21    2.19   34.94   27.90    20.5   0.113   1462.9
 240.0    2.17    2.16   34.94   27.91    20.2   0.115   1462.9
 250.0    2.17    2.16   34.94   27.91    19.8   0.117   1463.1
 260.0    2.12    2.11   34.94   27.91    19.6   0.119   1463.0
 270.0    2.08    2.07   34.94   27.92    19.3   0.121   1463.0
 280.0    2.07    2.06   34.95   27.92    18.6   0.123   1463.2
 290.0    2.07    2.05   34.95   27.93    18.5   0.125   1463.3
 300.0    2.03    2.01   34.95   27.93    18.0   0.127   1463.3
 310.0    1.99    1.97   34.96   27.94    17.5   0.129   1463.3
 320.0    1.95    1.93   34.95   27.94    17.5   0.131   1463.3
 330.0    1.95    1.93   34.96   27.94    17.2   0.132   1463.4
 340.0    1.94    1.92   34.96   27.95    16.8   0.134   1463.6
 350.0    1.93    1.91   34.96   27.95    16.6   0.136   1463.7
 360.0    1.91    1.89   34.96   27.95    16.7   0.137   1463.8
 370.0    1.90    1.88   34.97   27.95    16.4   0.139   1463.9
 380.0    1.88    1.86   34.96   27.95    16.4   0.141   1464.0
 390.0    1.73    1.71   34.96   27.96    15.9   0.142   1463.5
 400.0    1.66    1.64   34.95   27.96    15.7   0.144   1463.3
 408.8    1.74    1.72   34.97   27.96    15.3   0.145   1463.9

                    DEPTH       TEMP.       SALIN
```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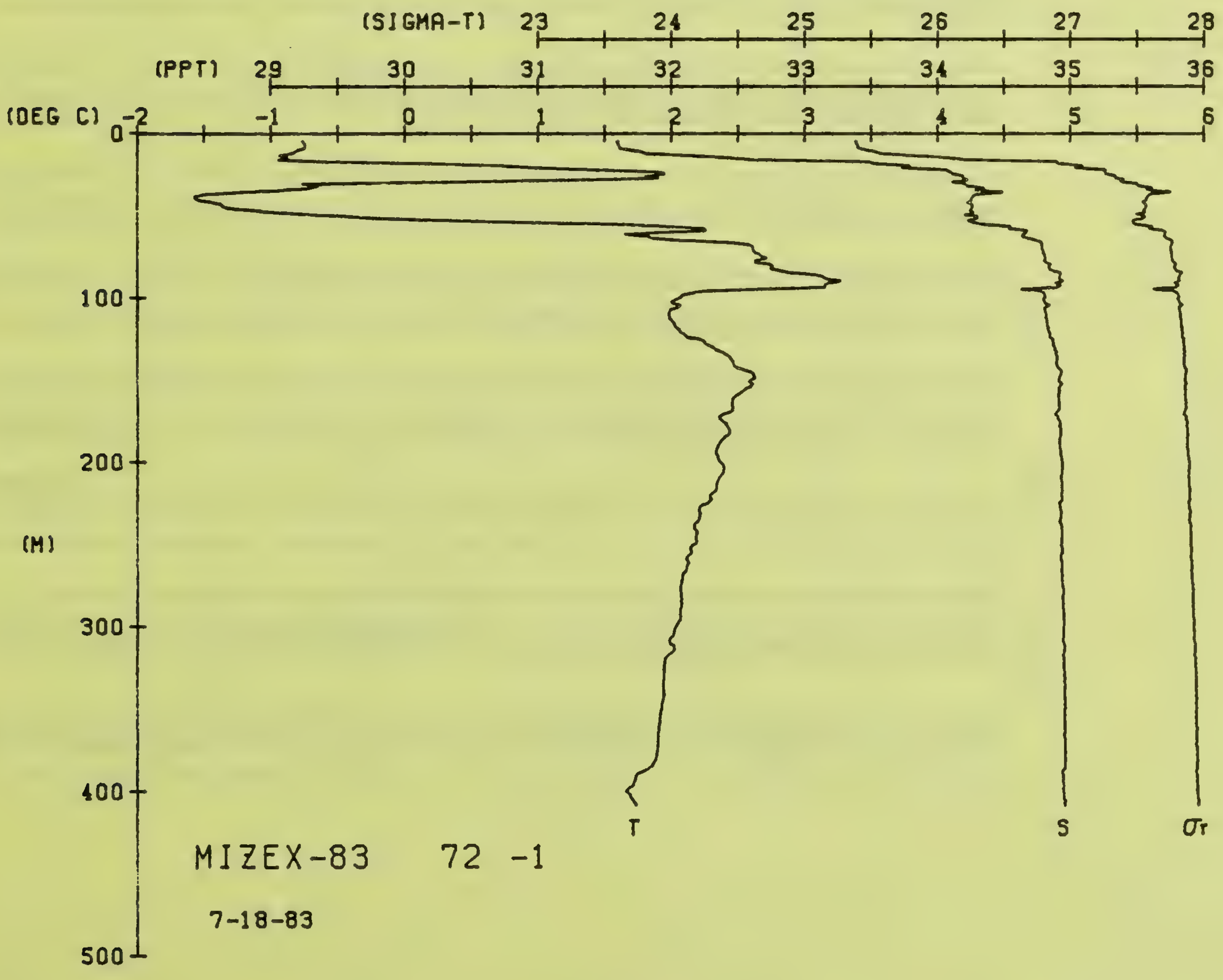
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 71 -1
7-18-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 72 -1
7-18-83

```
MIZEX-83 STATION  73(1) CTD  18/JUL/1983 1450 GMT  CODE = 1
LAT = 78.8883N LNG =  -1.0117W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.35   -0.35   32.03   25.72   225.8   0.000   1443.5
   2.0   -0.35   -0.36   32.03   25.72   225.8   0.005   1443.6
   5.0   -0.42   -0.42   32.20   25.87   212.4   0.011   1443.5
  10.0   -0.15   -0.15   32.26   25.90   209.1   0.022   1444.9
  15.0    0.35    0.35   32.50   26.07   193.0   0.032   1447.7
  20.0    2.40    2.40   34.25   27.34    73.0   0.039   1459.3
  25.0    5.64    5.64   34.73   27.38    69.0   0.042   1473.7
  30.0    5.61    5.61   34.70   27.37    70.3   0.046   1473.6
  35.0    5.35    5.35   34.87   27.53    55.2   0.049   1472.9
  40.0    4.94    4.94   34.96   27.65    43.5   0.052   1471.4
  45.0    4.76    4.76   35.00   27.70    38.9   0.054   1470.8
  50.0    4.62    4.62   35.01   27.73    36.2   0.056   1470.3
  55.0    4.52    4.51   35.00   27.73    36.0   0.057   1469.9
  60.0    4.39    4.39   35.02   27.76    33.2   0.059   1469.5
  65.0    4.30    4.29   35.02   27.77    32.6   0.061   1469.2
  70.0    4.19    4.19   35.02   27.78    31.5   0.062   1468.9
  75.0    4.04    4.04   35.00   27.79    31.1   0.064   1468.3
  80.0    3.91    3.90   35.00   27.80    29.9   0.066   1467.8
  85.0    3.81    3.80   35.00   27.80    29.3   0.067   1467.5
  90.0    3.76    3.76   35.00   27.81    28.7   0.068   1467.3
  95.0    3.64    3.63   34.99   27.81    28.6   0.070   1466.9
 100.0    3.54    3.53   34.98   27.82    28.0   0.071   1466.5
 110.0    3.30    3.29   34.97   27.83    27.0   0.074   1465.7
 120.0    3.38    3.37   34.98   27.83    27.2   0.077   1466.2
 130.0    3.35    3.34   35.02   27.87    23.3   0.079   1466.3
 140.0    3.26    3.25   35.01   27.87    23.5   0.082   1466.1
 150.0    3.19    3.18   35.02   27.88    22.5   0.084   1465.9
 160.0    3.03    3.02   34.99   27.87    23.5   0.086   1465.3
 170.0    2.61    2.60   34.97   27.90    20.7   0.089   1463.7
 180.0    2.33    2.32   34.95   27.91    20.1   0.091   1462.6
 190.0    2.44    2.42   34.98   27.92    18.8   0.093   1463.3
 200.0    2.52    2.51   34.98   27.91    19.9   0.095   1463.8
 210.0    2.50    2.49   34.98   27.91    19.9   0.097   1463.9
 220.0    2.36    2.34   34.98   27.92    18.7   0.099   1463.4
 230.0    2.28    2.27   34.96   27.92    19.3   0.101   1463.2
 240.0    2.14    2.13   34.95   27.92    18.7   0.102   1462.8
 250.0    2.12    2.11   34.97   27.93    17.6   0.104   1462.9
 260.0    2.20    2.19   34.97   27.93    17.7   0.106   1463.4
 270.0    2.28    2.26   34.99   27.94    17.3   0.108   1463.9
 280.0    2.08    2.07   34.97   27.94    16.9   0.110   1463.2
 290.0    2.03    2.01   34.98   27.95    16.0   0.111   1463.2
 300.0    2.00    1.98   34.98   27.96    15.8   0.113   1463.2
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DEPTH TEMP. SALIN

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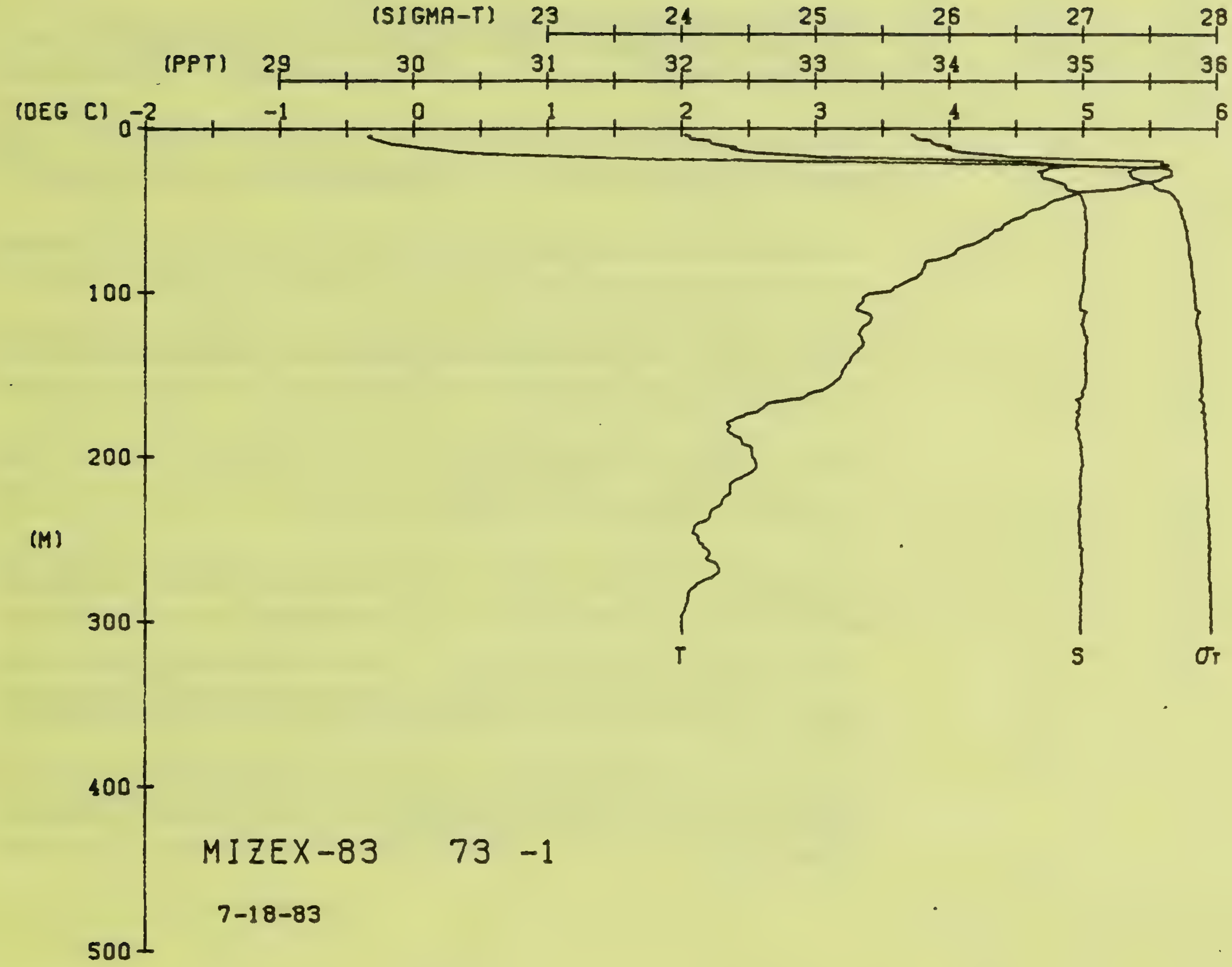
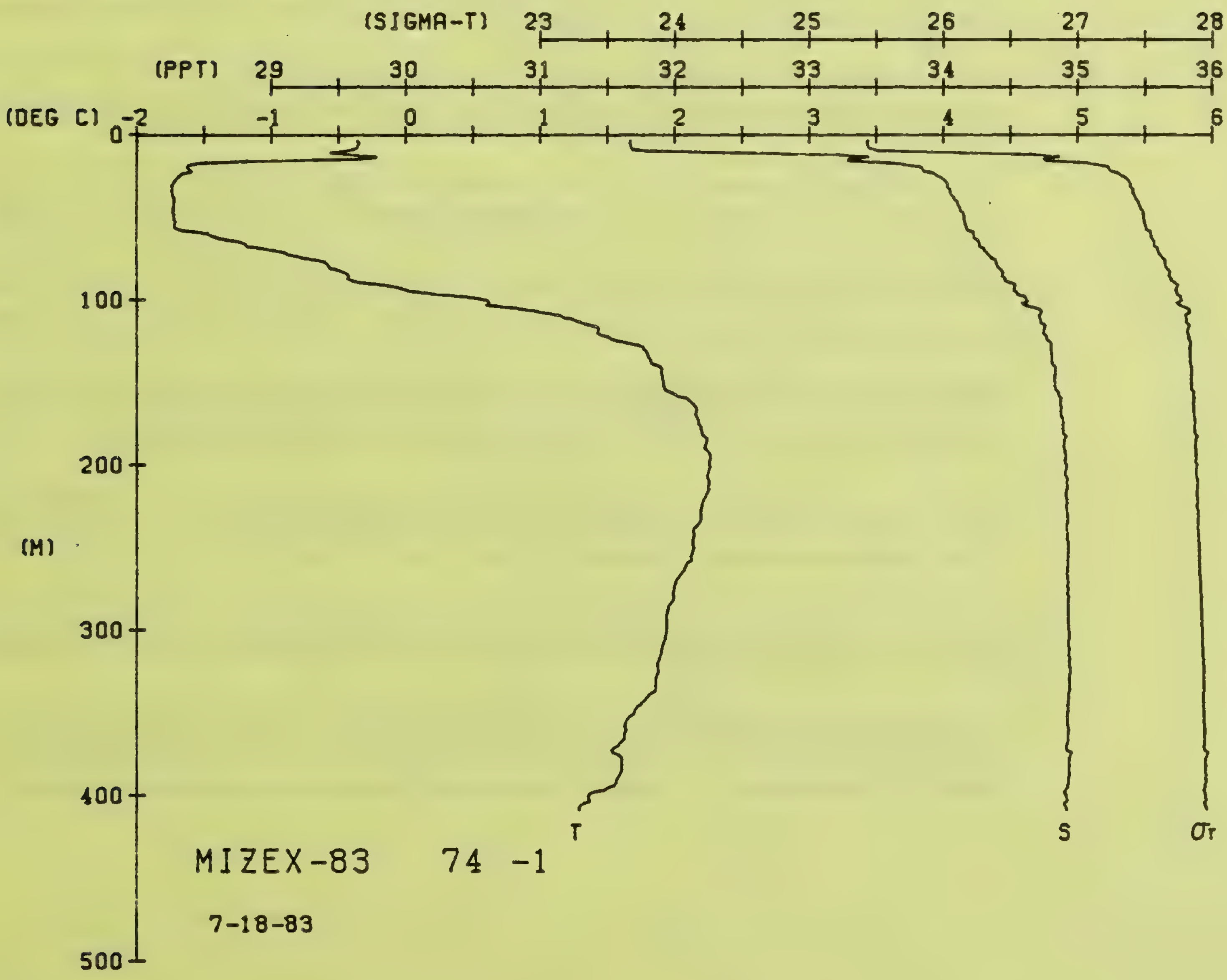
MIZEX-83 STATION  74(1) CTD  18/JUL/1983 1519 GMT  CODE = 1
LAT = 79.2500N LNG =  -1.0167W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -0.36   -0.36   31.67   25.43   253.8   0.000   1443.0
  4.2   -0.36   -0.36   31.67   25.43   253.8   0.011   1443.1
  5.0   -0.35   -0.35   31.67   25.43   253.8   0.013   1443.1
 10.0   -0.46   -0.46   31.74   25.50   247.4   0.026   1442.8
 15.0   -0.29   -0.29   33.33   26.77   126.3   0.035   1445.9
 20.0   -1.64   -1.64   33.83   27.23    83.3   0.040   1440.4
 25.0   -1.69   -1.69   33.95   27.32    74.2   0.044   1440.4
 30.0   -1.74   -1.74   34.02   27.39    68.0   0.048   1440.3
 35.0   -1.74   -1.74   34.05   27.40    66.2   0.051   1440.4
 40.0   -1.73   -1.73   34.09   27.44    62.8   0.054   1440.7
 45.0   -1.73   -1.73   34.13   27.47    59.8   0.058   1440.8
 50.0   -1.73   -1.73   34.15   27.49    58.2   0.061   1440.9
 55.0   -1.73   -1.73   34.17   27.50    56.7   0.063   1441.0
 60.0   -1.50   -1.50   34.22   27.54    53.3   0.066   1442.2
 65.0   -1.26   -1.26   34.26   27.57    50.9   0.069   1443.5
 70.0   -1.01   -1.02   34.32   27.60    47.7   0.071   1444.8
 75.0   -0.78   -0.78   34.36   27.62    45.5   0.074   1446.0
 80.0   -0.57   -0.58   34.40   27.65    43.0   0.076   1447.1
 85.0   -0.43   -0.43   34.44   27.67    40.8   0.078   1447.9
 90.0   -0.33   -0.33   34.50   27.72    36.5   0.080   1448.6
 95.0    0.03    0.02   34.52   27.72    36.5   0.082   1450.3
100.0    0.56    0.56   34.60   27.75    33.7   0.084   1453.0
110.0    1.15    1.14   34.70   27.80    29.7   0.087   1455.9
120.0    1.43    1.42   34.74   27.81    28.5   0.090   1457.4
130.0    1.77    1.76   34.80   27.83    26.6   0.093   1459.1
140.0    1.86    1.85   34.82   27.84    25.8   0.095   1459.7
150.0    1.91    1.91   34.83   27.84    25.6   0.098   1460.1
160.0    2.10    2.09   34.88   27.87    23.6   0.100   1461.2
170.0    2.15    2.15   34.88   27.86    24.2   0.103   1461.6
180.0    2.20    2.19   34.89   27.87    23.5   0.105   1462.0
190.0    2.22    2.21   34.90   27.87    23.4   0.108   1462.2
200.0    2.25    2.24   34.92   27.89    22.0   0.110   1462.6
210.0    2.26    2.25   34.92   27.89    21.8   0.112   1462.8
220.0    2.22    2.21   34.92   27.89    21.8   0.114   1462.8
230.0    2.19    2.18   34.92   27.89    21.4   0.116   1462.8
240.0    2.13    2.12   34.92   27.89    21.4   0.119   1462.7
250.0    2.14    2.12   34.93   27.90    20.5   0.121   1462.9
260.0    2.08    2.07   34.92   27.90    20.7   0.123   1462.8
270.0    2.00    1.99   34.93   27.92    19.4   0.125   1462.6
280.0    1.99    1.98   34.94   27.92    19.0   0.127   1462.8
290.0    1.94    1.93   34.93   27.92    19.1   0.129   1462.7
300.0    1.94    1.92   34.93   27.92    18.8   0.131   1462.9
310.0    1.90    1.89   34.93   27.93    18.5   0.133   1462.9
320.0    1.87    1.85   34.94   27.93    17.8   0.134   1462.9
330.0    1.86    1.84   34.94   27.93    17.8   0.136   1463.0
340.0    1.80    1.78   34.93   27.93    18.3   0.138   1462.9
350.0    1.69    1.67   34.93   27.94    17.3   0.140   1462.6
360.0    1.64    1.62   34.93   27.94    16.9   0.142   1462.5
370.0    1.57    1.55   34.91   27.94    17.6   0.143   1462.4
380.0    1.61    1.59   34.94   27.95    16.3   0.145   1462.7
390.0    1.57    1.55   34.93   27.95    16.1   0.147   1462.7
400.0    1.35    1.33   34.91   27.95    16.4   0.148   1461.9
408.6    1.29    1.27   34.92   27.96    14.9   0.150   1461.8
```

DEPTH TEMP. SALIN


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 73 -1
7-18-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 74 -1
7-18-83

```
MIZEX-83 STATION  75(1) CTD  18/JUL/1983 1539 GMT  CODE = 1
LAT = 78.8367N LNG =  -0.6350W LTER =    300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP  PTEMP  SALIN   SIG T  SPVOL  DYNHT   SOUND

   0.0    0.81   0.81  32.26   25.86  213.2  0.000   1449.2
   2.0    0.81   0.81  32.26   25.86  213.2  0.004   1449.2
   5.0    0.85   0.85  32.27   25.86  213.0  0.011   1449.5
  10.0    0.86   0.86  32.31   25.89  209.9  0.021   1449.6
  15.0    1.50   1.50  32.70   26.17  184.0  0.031   1453.2
  20.0    2.73   2.72  33.50   26.71  132.4  0.039   1459.7
  25.0    5.34   5.34  34.26   27.05  100.4  0.045   1471.9
  30.0    4.93   4.93  34.94   27.64   44.7  0.049   1471.1
  35.0    4.95   4.95  35.00   27.68   40.6  0.051   1471.4
  40.0    4.89   4.89  35.01   27.69   39.4  0.053   1471.2
  45.0    4.78   4.77  35.00   27.70   38.6  0.055   1470.8
  50.0    4.73   4.72  35.01   27.71   37.7  0.057   1470.7
  55.0    4.67   4.67  35.01   27.72   37.1  0.059   1470.6
  60.0    4.75   4.75  35.03   27.73   36.6  0.061   1471.0
  65.0    4.70   4.70  35.03   27.74   35.8  0.063   1470.9
  70.0    4.61   4.60  35.04   27.75   34.2  0.064   1470.6
  75.0    4.44   4.43  35.03   27.76   33.6  0.066   1470.0
  80.0    4.32   4.32  35.02   27.77   32.8  0.068   1469.6
  85.0    4.27   4.27  35.01   27.77   33.1  0.069   1469.4
  90.0    4.28   4.27  35.02   27.77   32.5  0.071   1469.6
  95.0    4.23   4.22  35.02   27.78   31.7  0.073   1469.4
 100.0    4.08   4.08  35.02   27.79   30.7  0.074   1468.9
 110.0    3.90   3.89  35.01   27.81   29.3  0.077   1468.3
 120.0    3.85   3.84  35.01   27.81   28.9  0.080   1468.2
 130.0    3.70   3.70  35.00   27.82   28.3  0.083   1467.8
 140.0    3.47   3.47  35.01   27.85   25.5  0.086   1467.0
 150.0    3.30   3.29  35.01   27.86   24.2  0.088   1466.4
 160.0    3.14   3.13  35.00   27.87   23.7  0.091   1465.8
 170.0    2.94   2.93  35.00   27.89   21.8  0.093   1465.2
 180.0    2.84   2.83  35.01   27.91   20.2  0.095   1464.9
 190.0    2.73   2.72  35.00   27.91   20.2  0.097   1464.6
 200.0    2.57   2.56  35.01   27.93   17.8  0.099   1464.1
 210.0    2.48   2.47  35.00   27.93   18.1  0.101   1463.8
 220.0    2.39   2.38  35.00   27.94   16.8  0.103   1463.6
 230.0    2.34   2.32  34.99   27.94   17.4  0.105   1463.5
 240.0    2.24   2.23  34.98   27.94   17.5  0.106   1463.3
 250.0    2.22   2.20  34.98   27.94   17.4  0.108   1463.3
 260.0    2.24   2.23  35.00   27.95   16.2  0.110   1463.6
 270.0    2.16   2.15  34.98   27.94   16.8  0.111   1463.4
 280.0    2.07   2.06  34.99   27.96   15.6  0.113   1463.2
 290.0    2.04   2.03  34.98   27.95   16.2  0.115   1463.2
 300.0    2.02   2.00  34.99   27.96   15.4  0.116   1463.3
 310.0    1.98   1.96  35.00   27.97   14.4  0.118   1463.3
 320.0    1.97   1.95  34.99   27.97   14.9  0.119   1463.4
 326.2    1.94   1.92  34.99   27.97   14.5  0.120   1463.4
```

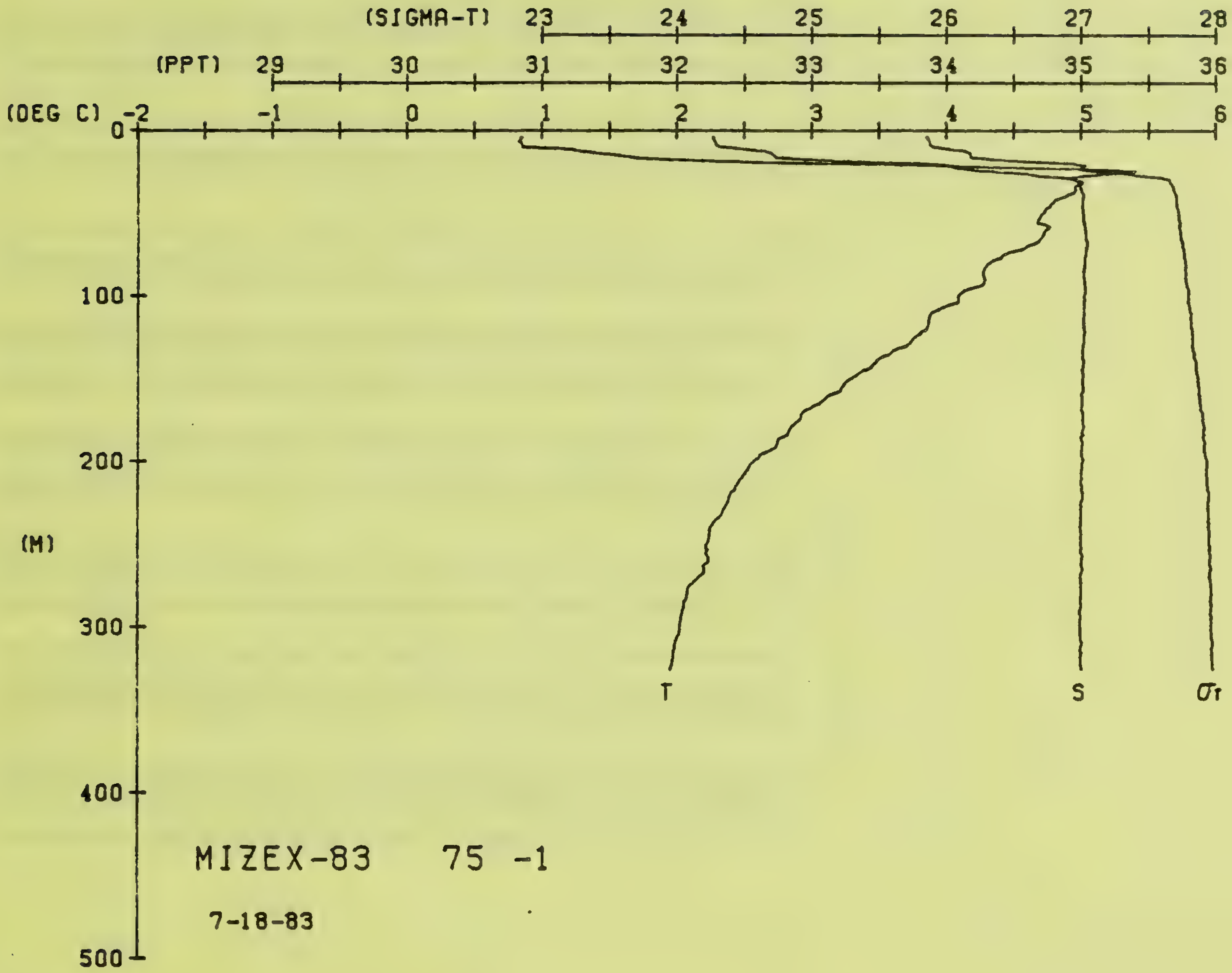
DEPTH TEMP. SALIN

```
MIZEX-83 STATION  76(1) CTD  18/JUL/1983 1608 GMT  CODE = 1
LAT = 79.2533N LNG =  -0.4267W LTER =    300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

DEPTH    TEMP  PTEMP  SALIN   SIG T  SPVOL  DYNHT   SOUND

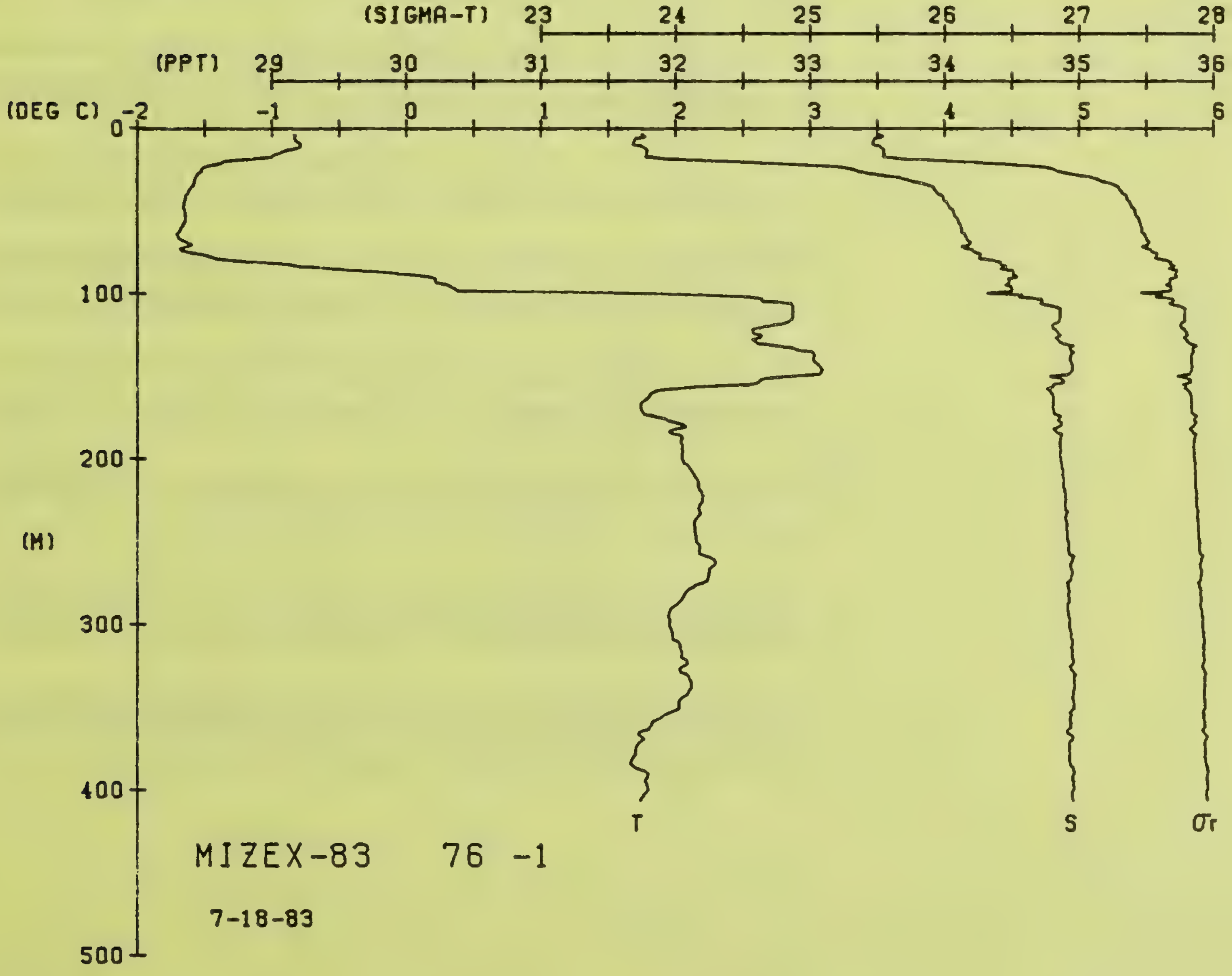
  0.0   -0.82  -0.82  31.82   25.57  240.2  0.000   1441.1
  1.9   -0.82  -0.82  31.82   25.57  240.2  0.005   1441.1
  5.0   -0.83  -0.83  31.77   25.53  243.9  0.012   1441.0
 10.0   -0.78  -0.78  31.67   25.45  251.7  0.025   1441.2
 15.0   -0.95  -0.95  31.77   25.54  243.5  0.037   1440.6
 20.0   -1.36  -1.36  32.31   25.98  201.0  0.049   1439.6
 25.0   -1.53  -1.53  33.32   26.80  123.1  0.057   1440.2
 30.0   -1.58  -1.58  33.67   27.10   95.6  0.062   1440.6
 35.0   -1.60  -1.60  33.89   27.27   79.0  0.067   1440.9
 40.0   -1.64  -1.64  33.95   27.32   73.8  0.070   1440.9
 45.0   -1.66  -1.66  34.02   27.38   68.3  0.074   1441.0
 50.0   -1.65  -1.65  34.06   27.41   65.6  0.077   1441.1
 55.0   -1.64  -1.64  34.09   27.44   62.7  0.081   1441.3
 60.0   -1.68  -1.68  34.11   27.46   61.2  0.084   1441.3
 65.0   -1.70  -1.71  34.15   27.49   58.3  0.087   1441.3
 70.0   -1.60  -1.61  34.20   27.52   55.0  0.090   1441.9
 75.0   -1.64  -1.64  34.23   27.55   52.2  0.092   1441.8
 80.0   -1.34  -1.34  34.35   27.64   43.8  0.095   1443.5
 85.0   -0.57  -0.57  34.41   27.66   42.4  0.097   1447.3
 90.0    0.17   0.17  34.54   27.73   36.1  0.099   1450.9
 95.0    0.31   0.31  34.45   27.65   43.6  0.101   1451.5
100.0    1.85   1.85  34.46   27.55   53.4  0.103   1458.5
110.0    2.88   2.87  34.86   27.78   31.3  0.108   1463.7
120.0    2.65   2.64  34.80   27.76   33.7  0.111   1462.8
130.0    2.60   2.60  34.86   27.81   28.8  0.114   1462.9
140.0    3.03   3.02  34.93   27.83   27.6  0.117   1464.9
150.0    2.85   2.84  34.78   27.72   37.5  0.120   1464.1
160.0    1.82   1.81  34.79   27.82   28.1  0.124   1459.8
170.0    1.74   1.73  34.80   27.83   26.4  0.126   1459.7
180.0    2.07   2.06  34.85   27.85   25.4  0.129   1461.4
190.0    2.04   2.03  34.85   27.85   25.1  0.132   1461.4
200.0    2.05   2.04  34.86   27.86   24.5  0.134   1461.6
210.0    2.14   2.13  34.88   27.86   24.0  0.137   1462.2
220.0    2.20   2.18  34.90   27.87   23.3  0.139   1462.6
230.0    2.17   2.16  34.90   27.88   22.5  0.141   1462.7
240.0    2.13   2.12  34.91   27.89   22.1  0.144   1462.7
250.0    2.16   2.14  34.92   27.90   21.1  0.146   1463.0
260.0    2.27   2.25  34.95   27.91   20.2  0.148   1463.7
270.0    2.24   2.23  34.95   27.91   20.0  0.150   1463.7
280.0    2.08   2.06  34.93   27.91   20.3  0.152   1463.1
290.0    1.97   1.96  34.91   27.90   21.0  0.154   1462.8
300.0    1.95   1.94  34.93   27.92   19.5  0.156   1462.9
310.0    2.01   1.99  34.96   27.94   17.8  0.158   1463.4
320.0    2.05   2.03  34.95   27.93   18.4  0.160   1463.7
330.0    2.08   2.06  34.97   27.94   17.0  0.162   1464.0
340.0    2.10   2.09  34.95   27.93   18.8  0.163   1464.3
350.0    2.02   2.00  34.96   27.94   17.9  0.165   1464.1
360.0    1.82   1.80  34.94   27.94   17.5  0.167   1463.3
370.0    1.76   1.74  34.93   27.94   17.7  0.169   1463.2
380.0    1.68   1.66  34.93   27.94   17.3  0.171   1463.1
390.0    1.80   1.77  34.97   27.96   15.7  0.172   1463.8
400.0    1.80   1.78  34.96   27.96   16.1  0.174   1463.9
406.3    1.73   1.71  34.96   27.96   15.7  0.175   1463.8
```

DEPTH TEMP. SALIN



MIZEX-83 75 -1

7-18-83



MIZEX-83 76 -1

7-18-83

```
MIZEX-83 STATION  77(1) CTD  18/JUL/1983 1626 GMT   CODE = 1
LAT = 78.7617N LNG =   -0.3767W LTER =    300.  LGER =    300.
AIR TEMP =    0.0 BAROM =        0.0 WIND =    0.0 SPEED =    0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0     2.76    2.76   33.22   26.48   153.9   0.000   1459.1
   2.0     2.76    2.75   33.22   26.48   153.9   0.003   1459.2
   5.0     2.83    2.83   33.28   26.53   149.5   0.008   1459.6
  10.0     3.36    3.36   33.65   26.77   126.5   0.015   1462.5
  15.0     3.61    3.60   33.78   26.86   118.6   0.021   1463.8
  20.0     3.82    3.82   33.97   26.98   106.7   0.027   1465.0
  25.0     2.00    2.00   33.74   26.97   108.1   0.032   1457.0
  30.0     1.95    1.95   33.81   27.03   102.5   0.037   1456.9
  35.0     3.88    3.88   34.43   27.35    72.3   0.042   1466.2
  40.0     4.45    4.45   34.71   27.50    57.3   0.045   1469.0
  45.0     4.56    4.55   34.85   27.61    47.9   0.048   1469.7
  50.0     3.50    3.49   34.93   27.78    31.4   0.050   1465.5
  55.0     3.38    3.37   34.95   27.81    28.6   0.051   1465.1
  60.0     3.24    3.23   34.96   27.83    26.4   0.053   1464.6
  65.0     3.06    3.05   34.98   27.86    23.8   0.054   1463.9
  70.0     2.99    2.99   34.98   27.87    23.0   0.055   1463.7
  75.0     2.91    2.91   34.97   27.87    22.6   0.056   1463.4
  80.0     2.73    2.73   34.99   27.90    19.7   0.057   1462.8
  85.0     2.70    2.69   34.98   27.90    20.3   0.058   1462.7
  90.0     2.64    2.64   34.99   27.91    19.3   0.059   1462.5
  95.0     2.56    2.55   34.98   27.91    19.2   0.060   1462.2
 100.0     2.41    2.41   34.98   27.92    17.9   0.061   1461.7
 110.0     2.24    2.23   34.98   27.94    16.4   0.063   1461.1
 120.0     2.12    2.11   34.99   27.95    15.2   0.065   1460.8
 130.0     2.05    2.04   34.99   27.96    14.7   0.066   1460.6
 140.0     1.96    1.96   34.99   27.96    14.1   0.067   1460.4
 150.0     1.93    1.92   34.98   27.96    14.2   0.069   1460.4
 160.0     1.89    1.88   34.98   27.97    13.9   0.070   1460.4
 170.0     1.84    1.83   34.97   27.96    14.4   0.072   1460.3
 180.0     1.81    1.80   34.98   27.97    13.8   0.073   1460.4
 190.0     1.78    1.77   34.98   27.97    13.4   0.075   1460.4
 200.0     1.75    1.73   34.97   27.97    13.6   0.076   1460.4
 210.0     1.68    1.67   34.97   27.98    13.2   0.077   1460.3
 220.0     1.59    1.58   34.97   27.98    12.8   0.079   1460.1
 230.0     1.54    1.52   34.97   27.98    12.6   0.080   1460.0
 240.0     1.44    1.43   34.96   27.98    12.7   0.081   1459.7
 250.0     1.39    1.38   34.96   27.99    12.0   0.082   1459.6
 260.0     1.36    1.35   34.96   27.99    12.1   0.084   1459.7
 270.0     1.29    1.28   34.96   27.99    11.8   0.085   1459.5
 280.0     1.24    1.23   34.96   28.00    11.3   0.086   1459.5
 290.0     1.22    1.20   34.95   27.99    12.0   0.087   1459.5

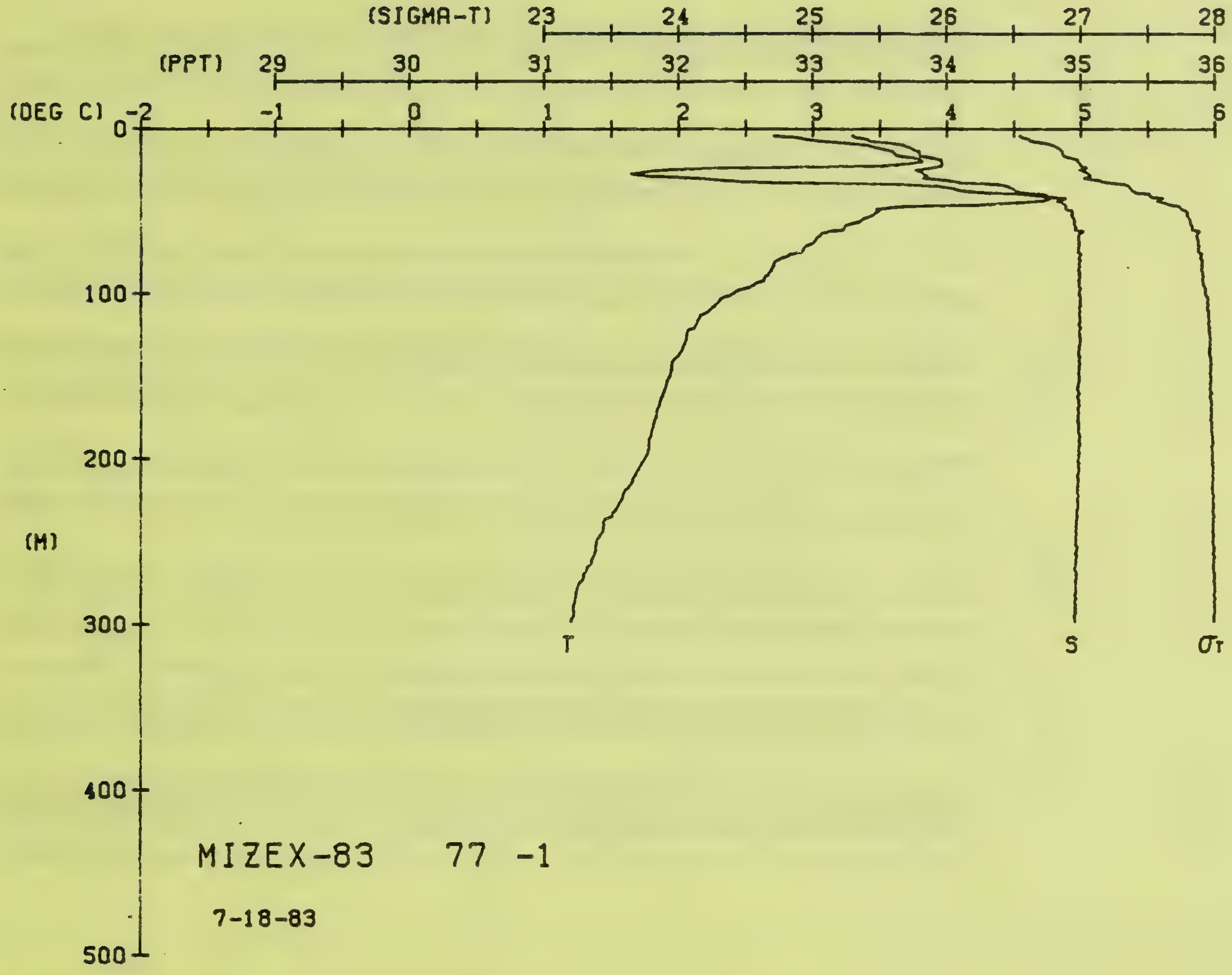
                          DEPTH        TEMP.        SALIN
```

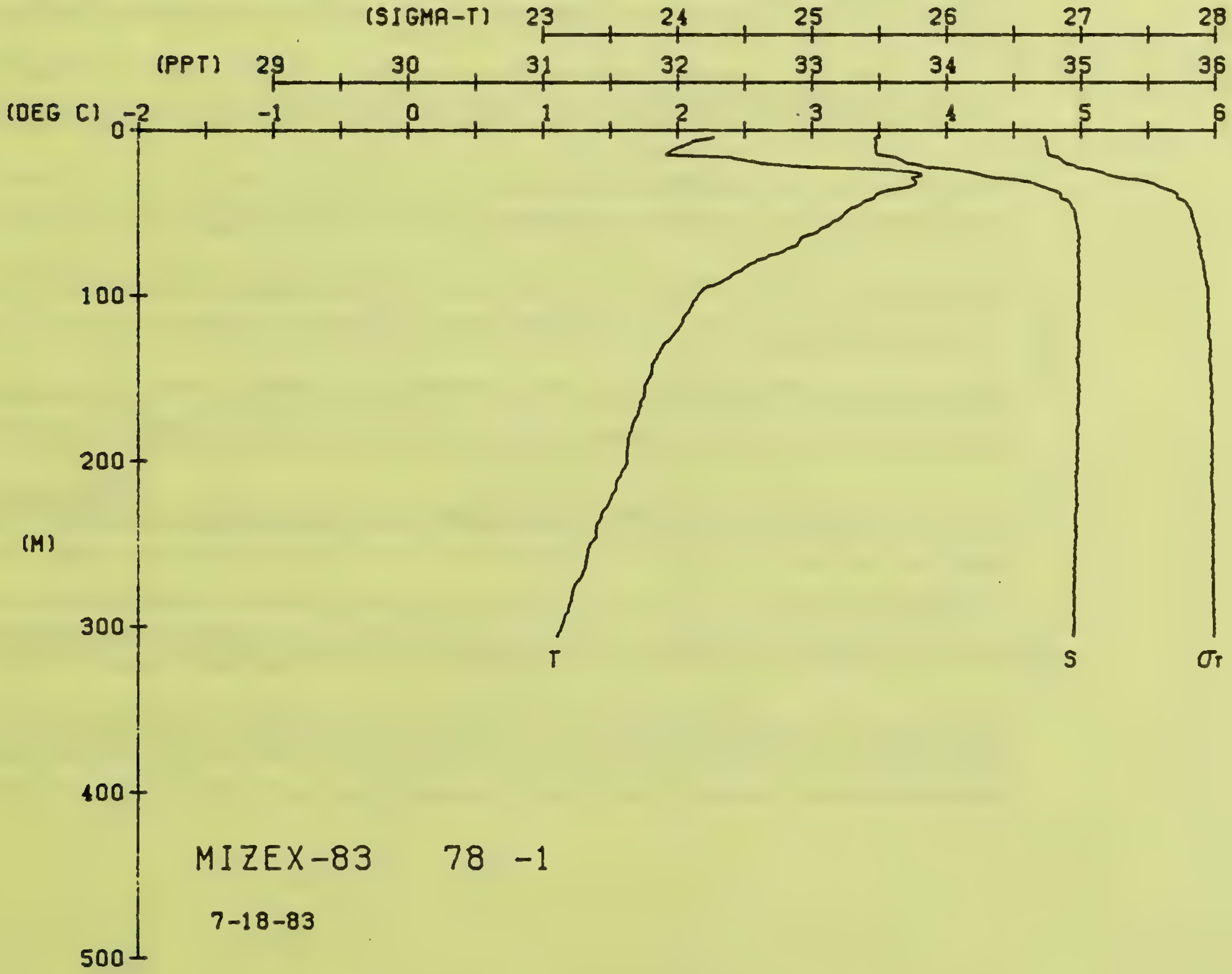
```
MIZEX-83 STATION  78(1) CTD  18/JUL/1983 1714 GMT   CODE = 1
LAT = 78.7317N LNG =   -0.0850W LTER =    300.  LGER =    300.
AIR TEMP =    0.0 BAROM =        0.0 WIND =    0.0 SPEED =    0.0

 DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0     2.28    2.28   33.49   26.74   129.1   0.000   1457.4
   2.0     2.28    2.28   33.49   26.74   129.1   0.003   1457.5
   5.0     2.25    2.25   33.49   26.74   129.4   0.007   1457.4
  10.0     2.03    2.03   33.47   26.74   129.1   0.013   1456.5
  15.0     1.92    1.92   33.47   26.75   128.1   0.020   1456.1
  20.0     2.59    2.59   33.70   26.88   115.8   0.026   1459.4
  25.0     3.69    3.69   34.13   27.12    93.2   0.031   1464.8
  30.0     3.74    3.74   34.47   27.39    68.1   0.035   1465.6
  35.0     3.70    3.69   34.73   27.60    48.2   0.038   1465.8
  40.0     3.47    3.47   34.85   27.72    36.7   0.040   1465.1
  45.0     3.36    3.36   34.93   27.79    30.1   0.042   1464.8
  50.0     3.25    3.25   34.95   27.82    27.2   0.043   1464.4
  55.0     3.17    3.17   34.96   27.84    25.6   0.045   1464.2
  60.0     3.06    3.06   34.98   27.86    23.3   0.046   1463.8
  65.0     2.92    2.92   34.99   27.89    21.4   0.047   1463.3
  70.0     2.88    2.88   34.99   27.89    21.3   0.048   1463.3
  75.0     2.73    2.73   34.98   27.89    21.0   0.049   1462.7
  80.0     2.57    2.57   34.99   27.91    18.7   0.050   1462.1
  85.0     2.47    2.47   34.99   27.92    17.8   0.051   1461.7
  90.0     2.36    2.35   34.99   27.93    17.0   0.052   1461.3
  95.0     2.21    2.21   34.99   27.95    15.6   0.053   1460.8
 100.0     2.15    2.15   34.99   27.95    15.3   0.054   1460.6
 110.0     2.08    2.07   34.98   27.95    15.6   0.055   1460.4
 120.0     2.00    1.99   34.98   27.95    14.9   0.057   1460.2
 130.0     1.89    1.88   34.99   27.97    13.7   0.058   1459.9
 140.0     1.82    1.82   34.97   27.96    14.1   0.060   1459.8
 150.0     1.79    1.78   34.98   27.97    13.4   0.061   1459.8
 160.0     1.75    1.74   34.98   27.98    13.0   0.062   1459.8
 170.0     1.71    1.70   34.98   27.98    13.0   0.064   1459.8
 180.0     1.66    1.65   34.97   27.98    13.0   0.065   1459.7
 190.0     1.63    1.62   34.98   27.98    12.5   0.066   1459.7
 200.0     1.62    1.61   34.98   27.99    12.1   0.067   1459.9
 210.0     1.56    1.55   34.97   27.98    12.9   0.069   1459.8
 220.0     1.51    1.50   34.98   27.99    11.9   0.070   1459.7
 230.0     1.45    1.44   34.97   27.99    12.1   0.071   1459.6
 240.0     1.40    1.39   34.97   27.99    11.5   0.072   1459.5
 250.0     1.35    1.34   34.96   27.99    11.7   0.074   1459.5
 260.0     1.32    1.31   34.96   27.99    11.9   0.075   1459.5
 270.0     1.28    1.27   34.96   27.99    11.7   0.076   1459.5
 280.0     1.22    1.20   34.95   27.99    11.8   0.077   1459.4
 290.0     1.19    1.17   34.96   28.00    11.0   0.078   1459.4
 300.0     1.14    1.12   34.95   28.00    11.2   0.079   1459.3

                          DEPTH        TEMP.        SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
400
500
(M)
T
S
σT
MIZEX-83 77 -1
7-18-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
400
500
(M)
T
S
σT
MIZEX-83 78 -1
7-18-83

```
MIZEX-83 STATION  79(1) CTD  18/JUL/1983 1723 GMT  CODE = 1
LAT = 79.0000N LNG =  -3.0133W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.90   -0.90  31.43   25.26   270.1   0.000   1440.1
   3.9   -0.90   -0.91  31.43   25.26   270.1   0.011   1440.2
   5.0   -0.90   -0.90  31.48   25.30   266.2   0.014   1440.3
  10.0   -0.83   -0.83  32.26   25.93   206.7   0.026   1441.8
  15.0   -0.88   -0.88  33.11   26.62   140.9   0.034   1442.9
  20.0   -0.84   -0.84  33.20   26.69   134.4   0.041   1443.2
  25.0   -0.80   -0.80  33.66   27.06    98.7   0.047   1444.2
  30.0   -0.73   -0.74  34.04   27.37    69.7   0.051   1445.1
  35.0   -1.23   -1.23  34.18   27.49    57.7   0.055   1443.0
  40.0    0.42    0.42  34.30   27.51    56.0   0.058   1450.9
  45.0    1.07    1.06  34.54   27.67    41.1   0.060   1454.2
  50.0    1.22    1.21  34.59   27.70    38.5   0.062   1455.1
  55.0    1.34    1.34  34.63   27.73    35.9   0.064   1455.8
  60.0    1.25    1.24  34.65   27.75    33.9   0.066   1455.4
  65.0    1.42    1.41  34.68   27.76    33.2   0.067   1456.3
  70.0    1.44    1.44  34.70   27.77    32.1   0.069   1456.5
  75.0    1.47    1.46  34.71   27.78    30.9   0.071   1456.8
  80.0    1.51    1.50  34.73   27.79    29.9   0.072   1457.0
  85.0    1.57    1.57  34.75   27.80    29.3   0.074   1457.4
  90.0    1.73    1.72  34.78   27.81    28.0   0.075   1458.3
  95.0    1.87    1.87  34.80   27.82    27.5   0.077   1459.0
 100.0    1.83    1.83  34.79   27.82    27.8   0.078   1458.9
 110.0    2.09    2.08  34.84   27.84    25.8   0.081   1460.2
 120.0    2.49    2.48  34.92   27.87    23.5   0.083   1462.3
 130.0    2.46    2.45  34.90   27.85    24.7   0.086   1462.3
 140.0    2.49    2.48  34.91   27.86    24.3   0.088   1462.6
 150.0    2.30    2.29  34.91   27.88    22.6   0.090   1461.9
 160.0    2.36    2.35  34.91   27.87    23.1   0.093   1462.3
 170.0    2.27    2.26  34.91   27.88    22.3   0.095   1462.1
 180.0    2.23    2.22  34.93   27.90    21.0   0.097   1462.2
 190.0    2.28    2.27  34.93   27.89    21.1   0.099   1462.5
 200.0    2.19    2.18  34.92   27.89    21.1   0.101   1462.3
 210.0    2.18    2.17  34.91   27.89    21.9   0.104   1462.4
 220.0    2.10    2.09  34.92   27.90    20.8   0.106   1462.2
 230.0    2.03    2.02  34.91   27.90    20.9   0.108   1462.1
 240.0    1.99    1.98  34.93   27.92    19.2   0.110   1462.1
 250.0    1.92    1.91  34.93   27.92    19.1   0.112   1462.0
 260.0    1.91    1.89  34.91   27.91    20.1   0.114   1462.0
 270.0    1.88    1.87  34.93   27.93    18.1   0.116   1462.1
 280.0    1.74    1.72  34.92   27.93    18.1   0.118   1461.6
 290.0    1.72    1.71  34.93   27.94    17.4   0.119   1461.7
 300.0    1.62    1.61  34.91   27.93    18.1   0.121   1461.4
 310.0    1.58    1.56  34.92   27.94    17.2   0.123   1461.4
 320.0    1.52    1.50  34.92   27.94    16.8   0.125   1461.3
 330.0    1.46    1.45  34.92   27.95    16.3   0.126   1461.2
 340.0    1.45    1.44  34.92   27.95    16.1   0.128   1461.4
 350.0    1.50    1.49  34.92   27.95    16.4   0.130   1461.8
 360.0    1.50    1.49  34.92   27.95    16.6   0.131   1461.9
 370.0    1.45    1.43  34.92   27.95    16.4   0.133   1461.9
 380.0    1.40    1.38  34.93   27.96    15.4   0.135   1461.8
 390.0    1.34    1.32  34.92   27.96    15.2   0.136   1461.7

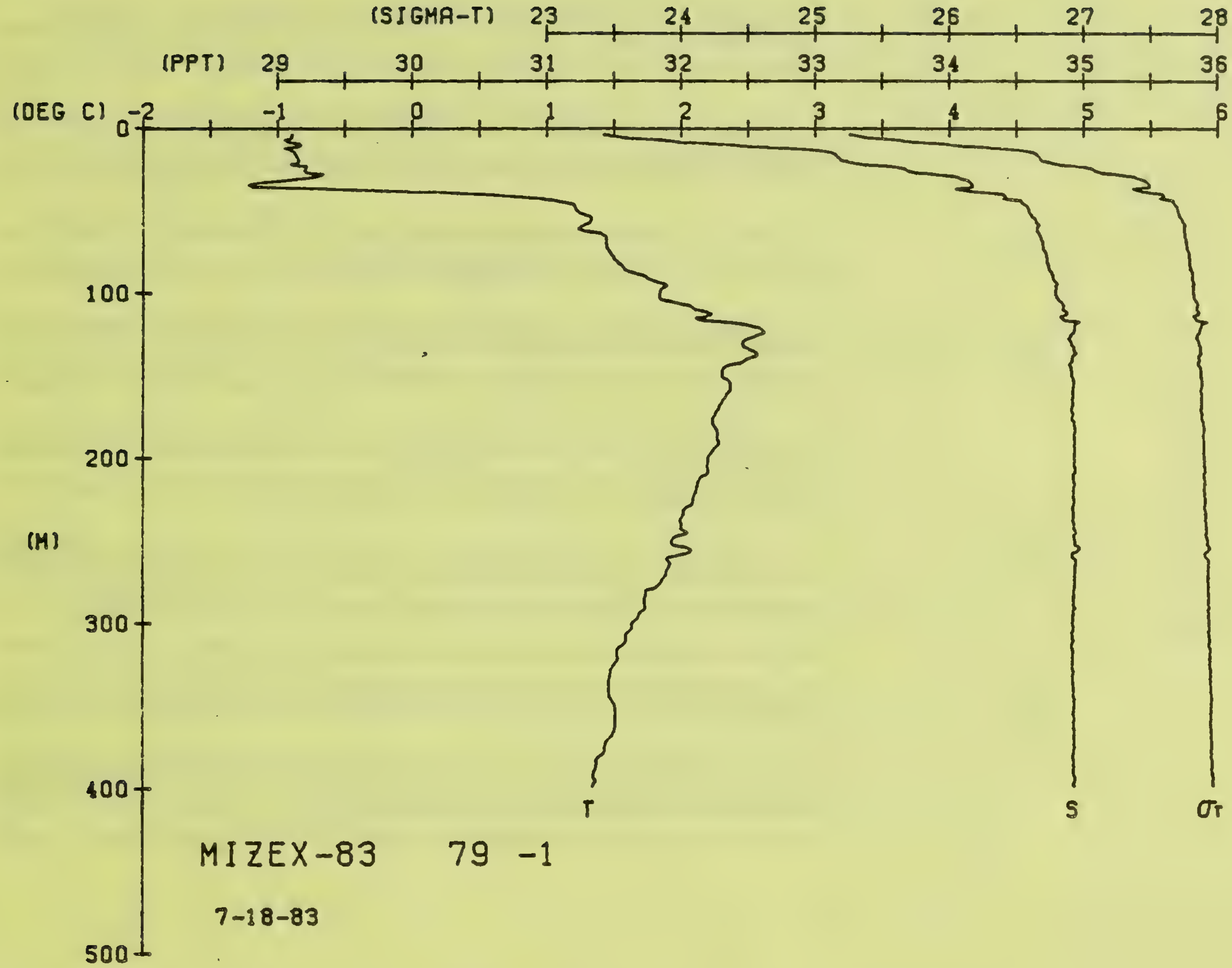
                  DEPTH      TEMP.      SALIN
```

```
MIZEX-83 STATION  80(1) CTD  19/JUL/1983 1806 GMT  CODE = 1
LAT = 79.2500N LNG =  -0.0500W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.96   -0.96  31.60   25.39   257.3   0.000   1440.1
   4.9   -0.96   -0.96  31.60   25.39   257.3   0.013   1440.2
   5.0   -0.96   -0.96  31.60   25.39   257.3   0.013   1440.2
  10.0   -0.99   -0.99  31.59   25.39   257.4   0.026   1440.1
  15.0   -1.07   -1.07  31.68   25.46   250.6   0.039   1439.9
  20.0   -1.30   -1.31  32.12   25.83   215.9   0.051   1439.5
  25.0   -1.57   -1.57  33.15   26.67   135.6   0.060   1439.8
  30.0   -1.57   -1.57  33.69   27.11    93.8   0.065   1440.7
  35.0   -1.61   -1.61  33.85   27.24    81.7   0.070   1440.8
  40.0   -1.71   -1.71  33.97   27.34    72.1   0.074   1440.6
  45.0   -1.75   -1.75  33.99   27.36    70.2   0.077   1440.5
  50.0   -1.72   -1.73  34.02   27.38    68.4   0.081   1440.7
  55.0   -1.68   -1.69  34.05   27.41    65.9   0.084   1441.0
  60.0   -1.64   -1.64  34.09   27.44    63.1   0.087   1441.4
  65.0   -1.63   -1.63  34.12   27.46    60.6   0.091   1441.6
  70.0   -1.66   -1.67  34.14   27.48    59.2   0.094   1441.5
  75.0   -1.69   -1.69  34.14   27.48    59.0   0.097   1441.5
  80.0   -1.61   -1.61  34.18   27.51    56.2   0.099   1442.0
  85.0   -1.43   -1.43  34.21   27.53    54.4   0.102   1443.0
  90.0   -1.13   -1.13  34.28   27.57    50.3   0.105   1444.5
  95.0   -0.34   -0.34  34.37   27.61    46.3   0.107   1448.4
 100.0   -0.33   -0.34  34.40   27.64    44.1   0.110   1448.6
 110.0    0.56    0.55  34.50   27.67    41.0   0.114   1453.0
 120.0    2.35    2.34  34.78   27.77    32.4   0.118   1461.5
 130.0    2.20    2.19  34.80   27.79    30.3   0.121   1461.0
 140.0    1.79    1.79  34.74   27.78    31.6   0.124   1459.3
 150.0    2.02    2.02  34.82   27.82    27.5   0.127   1460.6
 160.0    2.18    2.17  34.82   27.82    28.3   0.130   1461.5
 170.0    2.44    2.43  34.89   27.85    25.2   0.132   1462.9
 180.0    2.56    2.55  34.90   27.85    25.6   0.135   1463.5
 190.0    2.57    2.56  34.92   27.86    24.5   0.138   1463.8
 200.0    2.70    2.69  34.95   27.87    23.7   0.140   1464.6
 210.0    2.47    2.46  34.92   27.87    23.6   0.142   1463.7
 220.0    2.37    2.36  34.92   27.88    23.1   0.145   1463.4
 230.0    2.25    2.23  34.91   27.88    22.8   0.147   1463.0
 240.0    2.14    2.12  34.90   27.88    22.3   0.149   1462.7
 250.0    2.11    2.09  34.91   27.89    22.0   0.152   1462.7
 260.0    2.24    2.23  34.94   27.91    20.5   0.154   1463.5
 270.0    2.13    2.12  34.91   27.89    22.0   0.156   1463.2
 280.0    2.07    2.05  34.91   27.90    21.4   0.158   1463.1
 290.0    2.02    2.00  34.92   27.91    20.2   0.160   1463.0
 300.0    1.99    1.97  34.93   27.92    19.1   0.162   1463.1
 310.0    1.95    1.93  34.93   27.92    19.3   0.164   1463.1
 320.0    1.92    1.90  34.93   27.92    18.9   0.166   1463.1
 330.0    1.87    1.85  34.93   27.93    18.3   0.168   1463.0
 340.0    1.89    1.87  34.94   27.93    18.4   0.170   1463.3
 350.0    1.86    1.84  34.94   27.94    17.7   0.172   1463.3
 360.0    1.85    1.83  34.94   27.93    18.2   0.173   1463.5
 370.0    1.79    1.77  34.93   27.93    18.2   0.175   1463.3
 380.0    1.75    1.73  34.93   27.93    18.0   0.177   1463.4
 390.0    1.70    1.68  34.93   27.94    17.8   0.179   1463.3
 400.0    1.64    1.62  34.92   27.94    17.5   0.181   1463.2
 400.4    1.63    1.61  34.93   27.94    17.3   0.181   1463.2

                  DEPTH      TEMP.      SALIN
```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(M)
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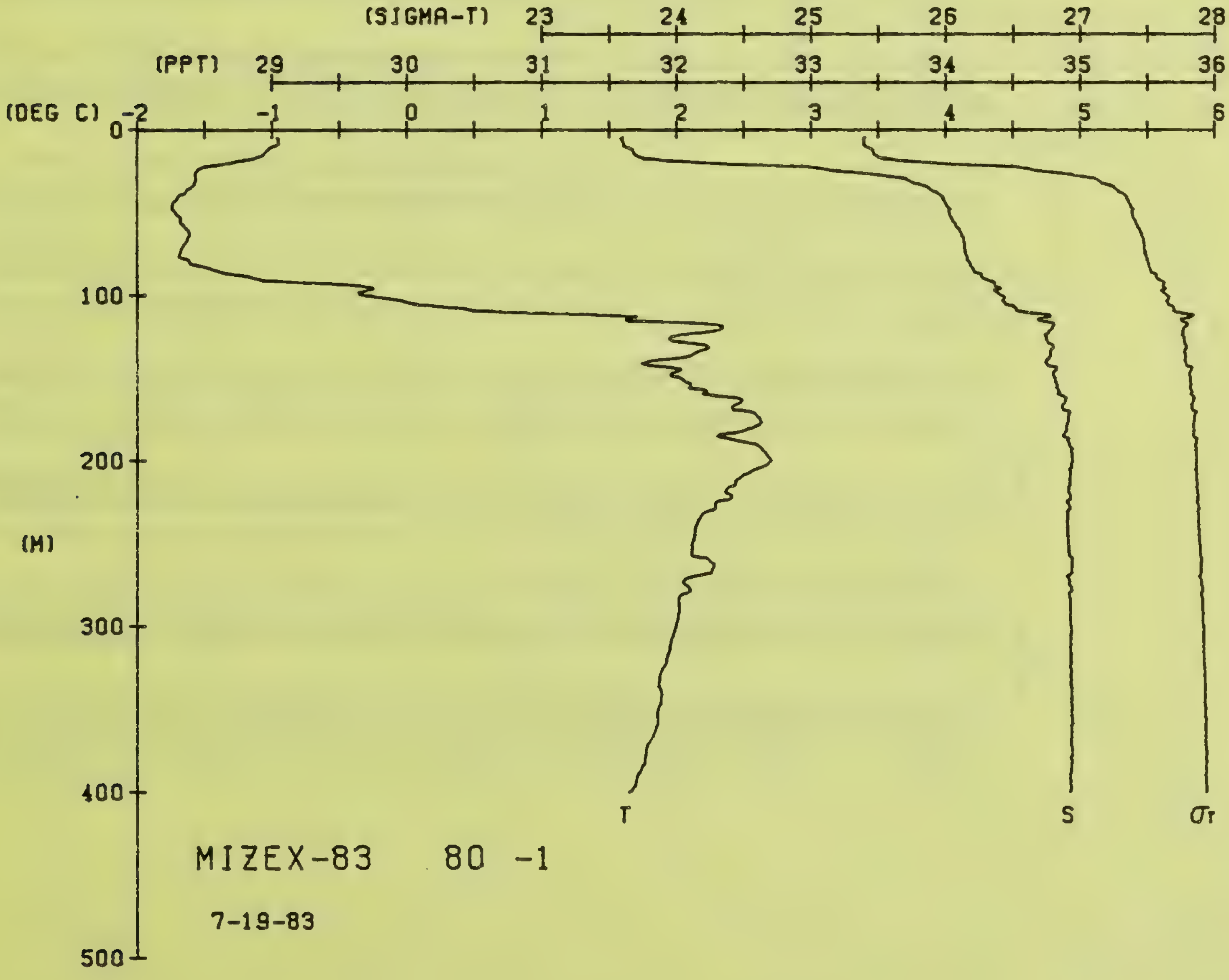
500
T
S
σT
MIZEX-83 79 -1
7-18-83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(PPT) 29 30 31 32 33 34 35 36
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100
200
(M)
300
400
500
T
S
σT
MIZEX-83 80 -1
7-19-83

```
MIZEX-83 STATION  81(1) CTD  19/JUL/1983 1903 GMT  CODE = 1
LAT = 79.2567N LNG =  -0.5150W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -1.17  -1.17  31.74  25.51  246.0  0.000  1439.3
   5.0  -1.17  -1.17  31.74  25.51  246.0  0.012  1439.4
   7.4  -1.17  -1.17  31.74  25.51  246.0  0.018  1439.4
  10.0  -1.21  -1.21  31.80  25.57  240.7  0.025  1439.4
  15.0  -0.96  -0.96  32.56  26.18  182.9  0.036  1441.7
  20.0  -0.97  -0.97  33.14  26.65  138.1  0.044  1442.6
  25.0  -1.38  -1.38  33.71  27.12   92.9  0.050  1441.5
  30.0  -1.67  -1.67  33.99  27.36   70.7  0.054  1440.6
  35.0  -1.71  -1.71  34.03  27.39   67.9  0.057  1440.6
  40.0  -1.74  -1.74  34.05  27.41   66.0  0.061  1440.6
  45.0  -1.68  -1.68  34.07  27.42   64.3  0.064  1440.9
  50.0  -1.71  -1.71  34.10  27.45   61.9  0.067  1440.9
  55.0  -1.69  -1.69  34.14  27.48   59.2  0.070  1441.2
  60.0  -1.72  -1.72  34.17  27.50   56.9  0.073  1441.1
  65.0  -1.75  -1.75  34.19  27.52   54.7  0.076  1441.1
  70.0  -1.49  -1.49  34.23  27.55   52.6  0.079  1442.5
  75.0  -1.17  -1.17  34.27  27.57   50.4  0.081  1444.1
  80.0  -0.90  -0.90  34.34  27.61   46.6  0.084  1445.6
  85.0  -0.04  -0.04  34.44  27.66   42.5  0.086  1449.7
  90.0   2.91   2.91  34.90  27.81   28.4  0.088  1463.6
  95.0   3.24   3.24  34.86  27.75   34.6  0.089  1465.0
 100.0   3.25   3.24  34.86  27.75   34.2  0.091  1465.2
 110.0   3.26   3.25  34.88  27.76   33.5  0.094  1465.4
 120.0   3.26   3.25  34.87  27.76   33.8  0.098  1465.5
 130.0   3.53   3.52  34.94  27.79   31.1  0.101  1466.9
 140.0   3.99   3.98  35.01  27.80   30.6  0.104  1469.1
 150.0   3.61   3.60  34.97  27.80   30.5  0.107  1467.6
 160.0   2.57   2.56  34.88  27.83   27.1  0.110  1463.2
 170.0   2.62   2.61  34.91  27.85   25.8  0.113  1463.6
 180.0   2.64   2.63  34.92  27.85   25.1  0.115  1463.9
 190.0   2.34   2.32  34.90  27.87   23.9  0.118  1462.7
 200.0   2.24   2.23  34.90  27.87   23.3  0.120  1462.5
 210.0   2.16   2.15  34.89  27.87   23.4  0.123  1462.3
 220.0   2.12   2.11  34.89  27.87   23.1  0.125  1462.3
 230.0   2.01   2.00  34.90  27.89   21.7  0.127  1462.0
 240.0   1.96   1.95  34.90  27.90   21.2  0.129  1461.9
 250.0   1.98   1.97  34.90  27.90   21.2  0.132  1462.2
 260.0   1.94   1.93  34.91  27.90   20.4  0.134  1462.2
 270.0   1.99   1.98  34.92  27.91   20.1  0.136  1462.6
 280.0   1.96   1.95  34.91  27.90   20.6  0.138  1462.6
 290.0   1.83   1.81  34.91  27.91   19.6  0.140  1462.2
 300.0   1.83   1.82  34.91  27.92   19.4  0.142  1462.4
 301.2   1.81   1.79  34.93  27.93   18.0  0.142  1462.3
```

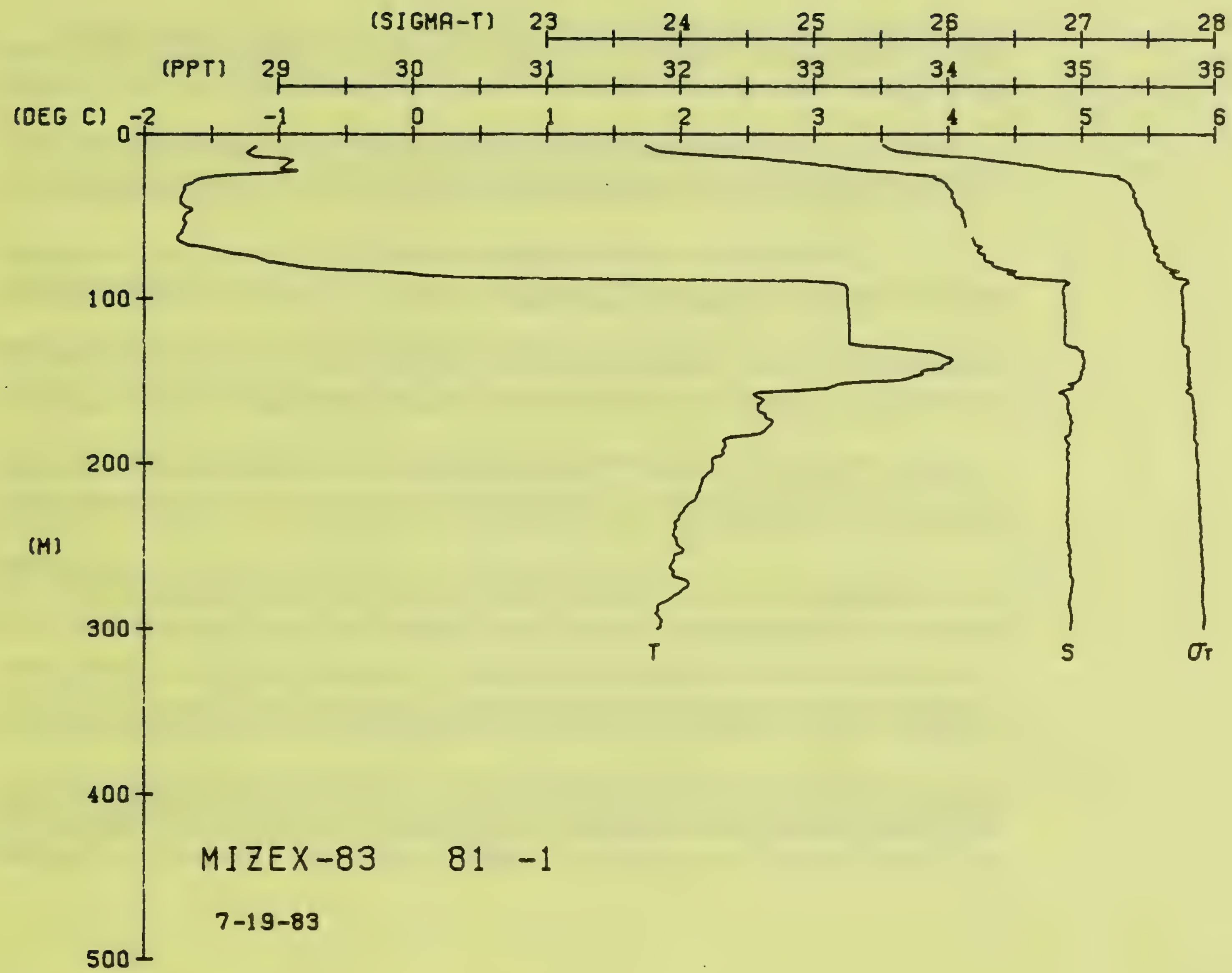
DEPTH TEMP. SALIN

```
MIZEX-83 STATION  82(1) CTD  19/JUL/1983 1950 GMT  CODE = 1
LAT = 79.0100N LNG =   0.4750W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP  SALIN  SIG T  SPVOL  DYNHT  SOUND

   0.0  -0.03  -0.03  31.67  25.42  255.1  0.000  1444.5
   5.0  -0.03  -0.03  31.67  25.42  255.0  0.013  1444.6
   5.7  -0.03  -0.03  31.67  25.42  255.0  0.015  1444.6
  10.0   0.06   0.06  31.84  25.55  242.3  0.026  1445.3
  15.0   0.43   0.43  33.13  26.57  145.2  0.035  1448.9
  20.0  -0.56  -0.56  33.61  27.01  103.6  0.042  1445.1
  25.0  -1.19  -1.20  34.16  27.48   59.3  0.046  1443.0
  30.0  -1.00  -1.00  34.26  27.55   52.5  0.049  1444.1
  35.0  -0.25  -0.25  34.40  27.63   44.9  0.051  1447.9
  40.0   2.73   2.72  34.89  27.82   27.0  0.053  1461.9
  45.0   3.52   3.51  34.84  27.71   38.2  0.054  1465.3
  50.0   3.21   3.20  34.88  27.77   32.5  0.056  1464.2
  55.0   2.94   2.93  34.85  27.77   31.8  0.058  1463.0
  60.0   2.81   2.80  34.86  27.79   30.2  0.059  1462.6
  65.0   2.75   2.75  34.86  27.80   29.8  0.061  1462.4
  70.0   2.62   2.62  34.85  27.80   29.4  0.062  1461.9
  75.0   2.62   2.62  34.86  27.80   29.1  0.064  1462.0
  80.0   2.80   2.80  34.90  27.82   27.6  0.065  1462.9
  85.0   2.78   2.77  34.88  27.81   28.5  0.067  1462.9
  90.0   2.62   2.62  34.89  27.83   27.0  0.068  1462.3
  95.0   2.71   2.71  34.92  27.84   25.5  0.070  1462.8
 100.0   2.72   2.71  34.91  27.84   25.9  0.071  1462.9
 110.0   2.58   2.57  34.91  27.85   25.1  0.073  1462.5
 120.0   2.43   2.42  34.91  27.86   23.9  0.076  1462.0
 130.0   2.50   2.49  34.93  27.87   22.9  0.078  1462.5
 140.0   2.37   2.36  34.90  27.86   23.7  0.081  1462.1
 150.0   2.45   2.44  34.94  27.88   21.9  0.083  1462.6
 160.0   2.48   2.47  34.95  27.89   21.1  0.085  1462.9
 170.0   2.47   2.46  34.96  27.90   20.7  0.087  1463.1
 180.0   2.44   2.43  34.95  27.90   20.9  0.089  1463.1
 190.0   2.34   2.33  34.95  27.90   20.5  0.091  1462.8
 200.0   2.32   2.31  34.96  27.92   19.1  0.093  1462.9
 210.0   2.27   2.26  34.97  27.92   18.7  0.095  1462.9
 220.0   2.13   2.11  34.95  27.92   18.7  0.097  1462.4
 230.0   1.96   1.95  34.94  27.93   18.3  0.099  1461.8
 240.0   1.93   1.92  34.93  27.92   18.8  0.101  1461.8
 250.0   1.92   1.91  34.94  27.93   17.8  0.103  1462.0
 260.0   1.81   1.79  34.93  27.93   17.9  0.105  1461.6
 270.0   1.99   1.97  34.96  27.94   17.2  0.106  1462.6
 280.0   1.80   1.78  34.95  27.94   16.7  0.108  1461.9
 290.0   1.85   1.84  34.97  27.96   15.6  0.110  1462.4
 300.0   1.82   1.81  34.95  27.94   16.8  0.111  1462.4
 310.0   1.62   1.60  34.93  27.95   16.4  0.113  1461.6
 320.0   1.64   1.62  34.91  27.93   18.3  0.115  1461.8
 330.0   1.58   1.56  34.94  27.96   15.5  0.117  1461.8
 340.0   1.43   1.42  34.93  27.96   15.5  0.118  1461.3
 350.0   1.40   1.38  34.92  27.96   15.4  0.120  1461.3
 360.0   1.47   1.46  34.94  27.96   15.1  0.121  1461.8
 370.0   1.48   1.46  34.94  27.96   14.8  0.123  1462.0
 380.0   1.49   1.47  34.96  27.98   13.8  0.124  1462.2
 390.0   1.43   1.41  34.94  27.97   14.8  0.126  1462.1
 400.0   1.36   1.34  34.94  27.97   14.0  0.127  1462.0
```

DEPTH TEMP. SALIN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(M)
300
400
500
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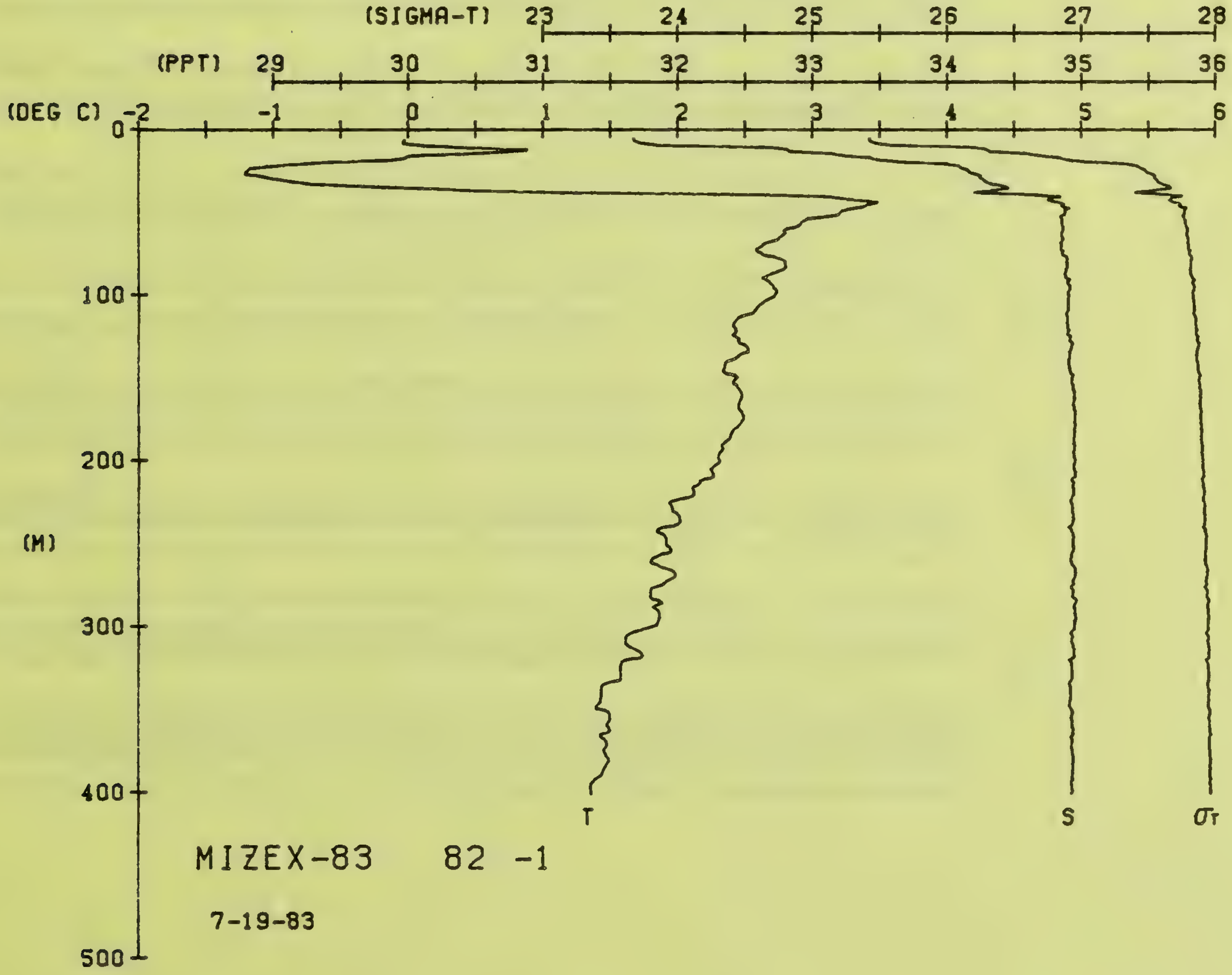
S
σT
MIZEX-83 81 -1
7-19-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 82 -1
7-19-83

```
MIZEX-83 STATION  83(1) CTD  19/JUL/1983 2039 GMT  CODE = 1
LAT = 79.0333N LNG =  -0.0550W LTER =   300.  LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.69   -0.69   31.44   25.26   270.0   0.000   1441.2
   1.9   -0.69   -0.69   31.44   25.26   270.0   0.005   1441.2
   5.0   -0.55   -0.55   31.96   25.67   230.9   0.013   1442.6
  10.0   -0.26   -0.26   32.08   25.76   222.7   0.025   1444.2
  15.0    1.00    1.00   32.70   26.20   180.8   0.035   1450.9
  20.0    1.80    1.80   34.15   27.31    75.9   0.041   1456.6
  25.0   -0.65   -0.65   34.21   27.50    57.5   0.045   1445.6
  30.0   -0.26   -0.26   34.31   27.56    51.6   0.047   1447.6
  35.0    0.83    0.83   34.46   27.62    45.6   0.050   1452.9
  40.0    1.67    1.67   34.56   27.65    43.7   0.052   1456.9
  45.0    2.48    2.48   34.76   27.74    34.8   0.054   1460.8
  50.0    3.01    3.00   34.85   27.77    32.6   0.056   1463.3
  55.0    3.01    3.01   34.86   27.77    32.1   0.057   1463.4
  60.0    3.01    3.01   34.86   27.77    32.4   0.059   1463.5
  65.0    3.02    3.02   34.85   27.76    32.8   0.061   1463.6
  70.0    3.18    3.17   34.89   27.78    31.4   0.062   1464.4
  75.0    3.18    3.17   34.90   27.79    30.7   0.064   1464.5
  80.0    2.90    2.89   34.87   27.79    30.1   0.065   1463.3
  85.0    2.77    2.76   34.88   27.81    28.4   0.067   1462.8
  90.0    2.74    2.74   34.89   27.82    27.4   0.068   1462.8
  95.0    2.62    2.61   34.90   27.84    25.5   0.070   1462.4
 100.0    2.55    2.55   34.90   27.85    25.3   0.071   1462.2
 110.0    2.50    2.50   34.88   27.83    26.4   0.074   1462.1
 120.0    2.51    2.50   34.92   27.86    23.8   0.076   1462.3
 130.0    2.52    2.52   34.92   27.86    23.8   0.078   1462.6
 140.0    2.45    2.44   34.92   27.87    23.2   0.081   1462.4
 150.0    2.50    2.49   34.93   27.88    22.6   0.083   1462.8
 160.0    2.49    2.48   34.94   27.89    21.9   0.085   1463.0
 170.0    2.43    2.42   34.95   27.89    21.1   0.088   1462.9
 180.0    2.37    2.36   34.94   27.89    21.3   0.090   1462.8
 190.0    2.31    2.30   34.94   27.90    20.5   0.092   1462.7
 200.0    2.24    2.23   34.94   27.91    19.9   0.094   1462.6
 210.0    2.18    2.17   34.94   27.91    20.1   0.096   1462.4
 220.0    2.05    2.04   34.93   27.91    19.9   0.098   1462.0
 230.0    2.03    2.02   34.93   27.91    19.3   0.100   1462.1
 240.0    2.00    1.99   34.94   27.92    18.4   0.102   1462.2
 250.0    2.05    2.03   34.95   27.93    17.9   0.104   1462.5
 260.0    2.06    2.05   34.96   27.94    17.3   0.105   1462.8
 270.0    2.07    2.06   34.96   27.93    18.0   0.107   1463.0
 280.0    2.13    2.11   34.98   27.95    16.7   0.109   1463.4
 290.0    2.09    2.07   34.98   27.95    16.7   0.111   1463.4
 300.0    2.03    2.01   34.98   27.95    16.2   0.112   1463.3
 310.0    2.02    2.00   34.99   27.96    15.4   0.114   1463.5
 320.0    2.02    2.00   34.98   27.96    15.7   0.115   1463.6
 330.0    1.99    1.97   34.98   27.96    15.6   0.117   1463.7
 340.0    1.95    1.93   34.99   27.96    15.2   0.119   1463.6
 350.0    1.91    1.89   34.98   27.96    15.1   0.120   1463.6
 360.0    1.90    1.88   34.99   27.97    14.7   0.122   1463.8
 370.0    1.73    1.71   34.97   27.97    14.8   0.123   1463.1
 380.0    1.70    1.68   34.96   27.97    14.8   0.125   1463.2
 390.0    1.65    1.63   34.97   27.98    13.9   0.126   1463.1
 396.7    1.54    1.52   34.99   28.00    11.6   0.127   1462.8

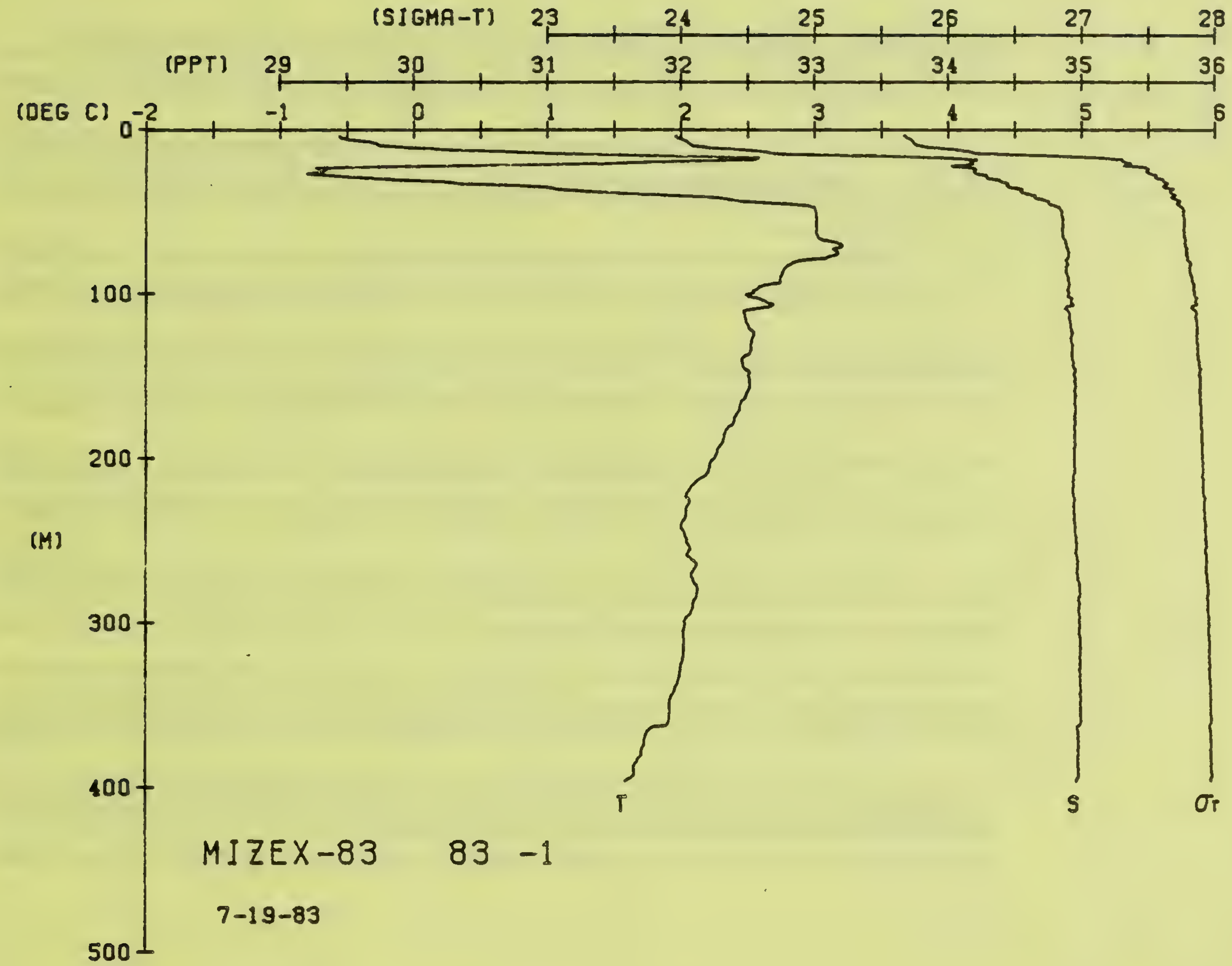
                        DEPTH      TEMP.      SALIN
```

```
MIZEX-83 STATION  84(1) CTD  19/JUL/1983 2124 GMT  CODE = 1
LAT = 79.0683N LNG =  -0.4967W LTER =   300.  LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.64   -0.64   31.84   25.58   239.6   0.000   1441.9
   4.2   -0.64   -0.64   31.84   25.58   239.5   0.010   1442.0
   5.0   -0.65   -0.65   31.85   25.59   238.6   0.012   1442.0
  10.0   -0.54   -0.54   31.98   25.69   229.3   0.024   1442.7
  15.0    1.03    1.03   32.38   25.94   205.5   0.035   1450.6
  20.0    2.77    2.77   33.91   27.03   101.8   0.043   1460.5
  25.0    0.26    0.26   34.32   27.54    53.3   0.047   1449.9
  30.0   -0.64   -0.65   34.12   27.42    64.6   0.050   1445.6
  35.0   -0.08   -0.09   34.41   27.63    44.8   0.052   1448.7
  40.0    0.87    0.86   34.48   27.63    44.7   0.055   1453.2
  45.0    1.51    1.50   34.56   27.66    42.4   0.057   1456.2
  50.0    2.31    2.31   34.73   27.73    36.1   0.059   1460.1
  55.0    2.46    2.46   34.76   27.74    35.0   0.061   1460.9
  60.0    2.78    2.77   34.83   27.77    32.0   0.062   1462.4
  65.0    2.87    2.87   34.86   27.78    31.2   0.064   1462.9
  70.0    2.93    2.92   34.88   27.80    29.5   0.065   1463.3
  75.0    2.78    2.78   34.88   27.81    28.6   0.067   1462.7
  80.0    2.72    2.72   34.88   27.82    27.8   0.068   1462.6
  85.0    2.69    2.68   34.89   27.83    26.9   0.070   1462.5
  90.0    2.51    2.50   34.88   27.83    26.6   0.071   1461.8
  95.0    2.46    2.46   34.88   27.83    26.3   0.072   1461.7
 100.0    2.44    2.44   34.87   27.83    26.8   0.074   1461.7
 110.0    2.35    2.35   34.86   27.83    26.5   0.076   1461.4
 120.0    2.62    2.61   34.92   27.85    24.7   0.079   1462.8
 130.0    2.54    2.53   34.93   27.87    23.4   0.081   1462.7
 140.0    2.24    2.23   34.90   27.87    22.7   0.084   1461.5
 150.0    2.26    2.26   34.91   27.88    22.6   0.086   1461.8
 160.0    2.16    2.15   34.92   27.89    20.9   0.088   1461.5
 170.0    2.36    2.35   34.95   27.91    20.0   0.090   1462.6
 180.0    2.45    2.44   34.96   27.90    20.3   0.092   1463.1
 190.0    2.40    2.39   34.96   27.91    20.0   0.094   1463.1
 200.0    2.32    2.31   34.95   27.91    19.9   0.096   1462.9
 210.0    2.29    2.27   34.96   27.92    19.3   0.098   1462.9
 220.0    2.27    2.26   34.96   27.92    19.1   0.100   1463.0
 230.0    2.27    2.25   34.97   27.92    18.5   0.102   1463.2
 240.0    1.99    1.97   34.95   27.93    17.7   0.104   1462.1
 250.0    1.95    1.94   34.94   27.93    17.8   0.106   1462.1
 260.0    2.02    2.01   34.96   27.94    16.9   0.108   1462.6
 270.0    2.09    2.07   34.97   27.94    17.0   0.109   1463.1
 280.0    2.08    2.06   34.97   27.94    16.8   0.111   1463.2
 290.0    2.08    2.06   34.97   27.94    17.0   0.113   1463.4
 300.0    2.03    2.02   34.98   27.95    16.4   0.115   1463.3
 310.0    1.96    1.95   34.97   27.95    16.2   0.116   1463.2
 320.0    1.94    1.92   34.97   27.95    16.1   0.118   1463.3
 330.0    1.89    1.87   34.97   27.96    15.4   0.119   1463.2
 340.0    1.84    1.82   34.97   27.96    15.1   0.121   1463.2
 350.0    1.81    1.79   34.97   27.96    15.2   0.122   1463.2
 360.0    1.73    1.72   34.96   27.96    15.0   0.124   1463.0
 370.0    1.72    1.70   34.96   27.96    15.2   0.126   1463.1
 380.0    1.69    1.67   34.97   27.97    14.4   0.127   1463.1

                        DEPTH      TEMP.      SALIN
```



MIZEX-83 83 -1

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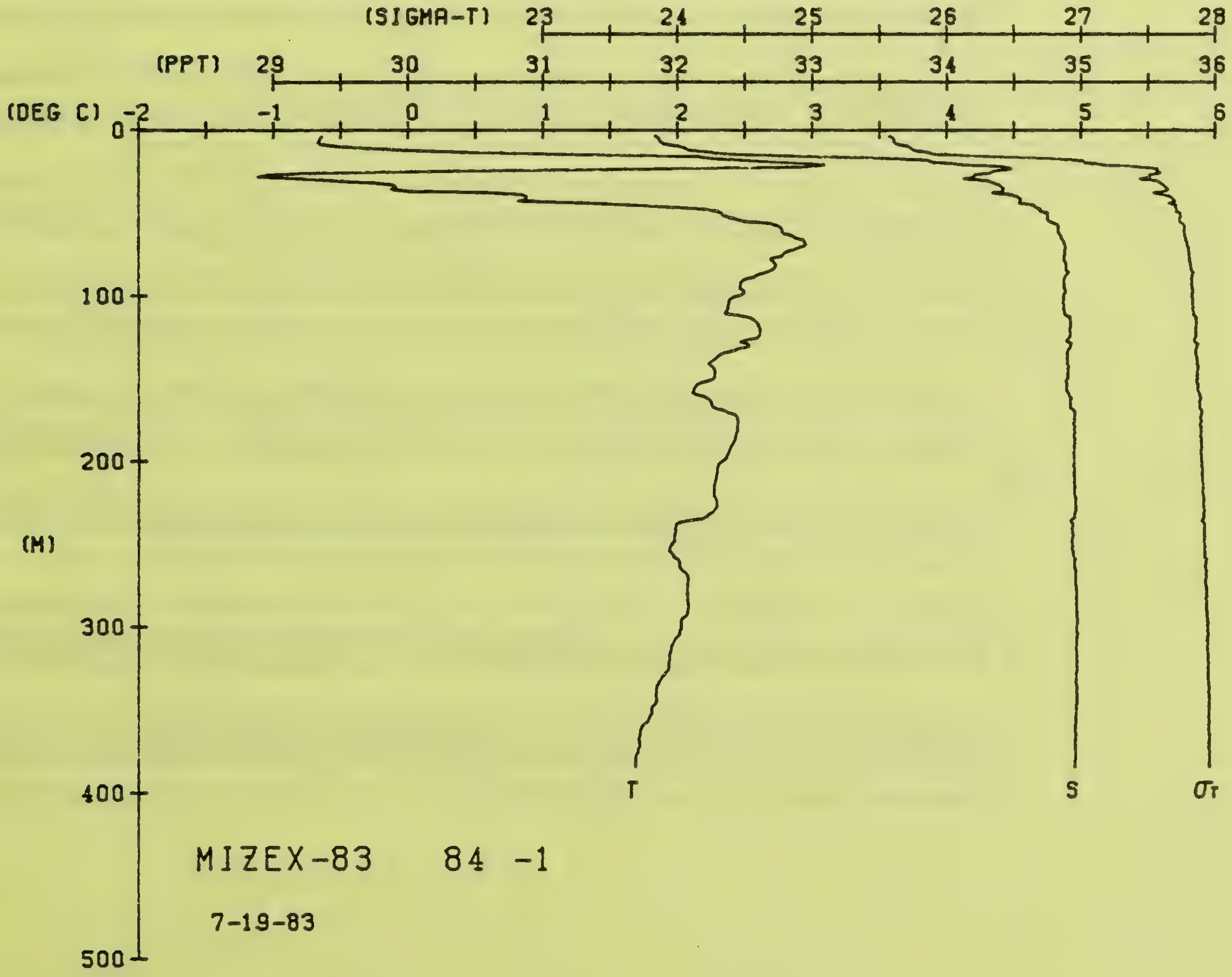


MIZEX-83 84 -1

7-19-83

```
MIZEX-83 STATION  85(1) CTD  19/JUL/1983 2209 GMT  CODE = 1
LAT = 79.1017N LNG =  -1.0317W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -0.66  -0.66   31.75   25.51   246.5   0.000   1441.7
   3.2  -0.66  -0.66   31.75   25.51   246.5   0.008   1441.8
   5.0  -0.66  -0.66   31.76   25.52   245.7   0.012   1441.8
  10.0  -0.92  -0.92   31.95   25.68   229.7   0.025   1440.9
  15.0  -0.77  -0.77   32.10   25.80   218.7   0.036   1441.9
  20.0  -0.52  -0.52   33.01   26.52   150.2   0.045   1444.5
  25.0   1.33   1.33   33.87   27.12    93.8   0.051   1454.2
  30.0   2.12   2.12   34.54   27.59    48.7   0.055   1458.7
  35.0  -0.98  -0.98   33.92   27.27    78.7   0.058   1443.8
  40.0   2.61   2.61   34.57   27.57    50.6   0.061   1461.0
  45.0   3.69   3.68   34.70   27.58    49.9   0.064   1465.9
  50.0   3.49   3.48   34.83   27.71    38.3   0.066   1465.3
  55.0   3.09   3.08   34.81   27.73    36.2   0.068   1463.6
  60.0   3.76   3.76   34.92   27.75    34.4   0.070   1466.7
  65.0   3.73   3.73   34.94   27.77    32.9   0.072   1466.7
  70.0   2.84   2.83   34.85   27.78    31.6   0.073   1462.9
  75.0   2.83   2.83   34.85   27.78    31.0   0.075   1462.9
  80.0   2.77   2.77   34.85   27.79    30.5   0.076   1462.8
  85.0   2.92   2.92   34.87   27.79    30.5   0.078   1463.5
  90.0   2.84   2.83   34.87   27.79    30.3   0.079   1463.2
  95.0   3.06   3.05   34.89   27.80    30.1   0.081   1464.3
 100.0   3.25   3.24   34.94   27.82    28.2   0.082   1465.2
 110.0   3.27   3.26   34.97   27.83    26.8   0.085   1465.5
 120.0   3.31   3.30   35.00   27.86    24.5   0.088   1465.9
 130.0   3.15   3.15   34.99   27.87    23.8   0.090   1465.4
 140.0   2.66   2.65   34.96   27.88    22.1   0.093   1463.4
 150.0   2.55   2.54   34.97   27.90    20.3   0.095   1463.1
 160.0   2.52   2.51   34.98   27.91    19.8   0.097   1463.1
 170.0   2.48   2.47   34.98   27.92    18.9   0.099   1463.1
 180.0   2.32   2.31   34.97   27.92    18.7   0.101   1462.6
 190.0   2.31   2.30   34.99   27.94    16.9   0.102   1462.8
 200.0   2.24   2.23   34.98   27.94    17.3   0.104   1462.6
 210.0   2.21   2.20   34.98   27.94    16.8   0.106   1462.6
 220.0   2.16   2.15   34.99   27.95    16.0   0.107   1462.6
 230.0   2.15   2.13   34.99   27.96    15.5   0.109   1462.7
 240.0   2.11   2.10   35.01   27.97    14.3   0.111   1462.7
 250.0   2.01   2.00   35.01   27.98    13.4   0.112   1462.5
 260.0   2.03   2.01   35.02   27.98    12.9   0.113   1462.7
 270.0   1.99   1.98   35.01   27.98    13.5   0.115   1462.7
 280.0   2.02   2.01   34.99   27.97    14.8   0.116   1463.0
 290.0   2.02   2.00   35.02   27.99    13.0   0.117   1463.2
 300.0   2.05   2.04   34.98   27.95    16.1   0.119   1463.4
 310.0   2.09   2.07   35.00   27.96    15.4   0.121   1463.8
 320.0   2.07   2.05   35.00   27.97    14.8   0.122   1463.9
 330.0   2.03   2.01   34.98   27.95    16.4   0.124   1463.8
 340.0   2.01   1.99   35.00   27.97    14.6   0.125   1463.9
 350.0   2.03   2.01   35.00   27.97    14.7   0.127   1464.2
 360.0   1.96   1.94   35.01   27.98    13.4   0.128   1464.1
 370.0   1.95   1.93   35.03   28.00    12.3   0.129   1464.2
 380.0   1.85   1.83   35.00   27.98    13.3   0.131   1463.9
 390.0   1.76   1.74   34.99   27.99    13.1   0.132   1463.7
 396.4   1.74   1.71   34.99   27.99    13.2   0.133   1463.7

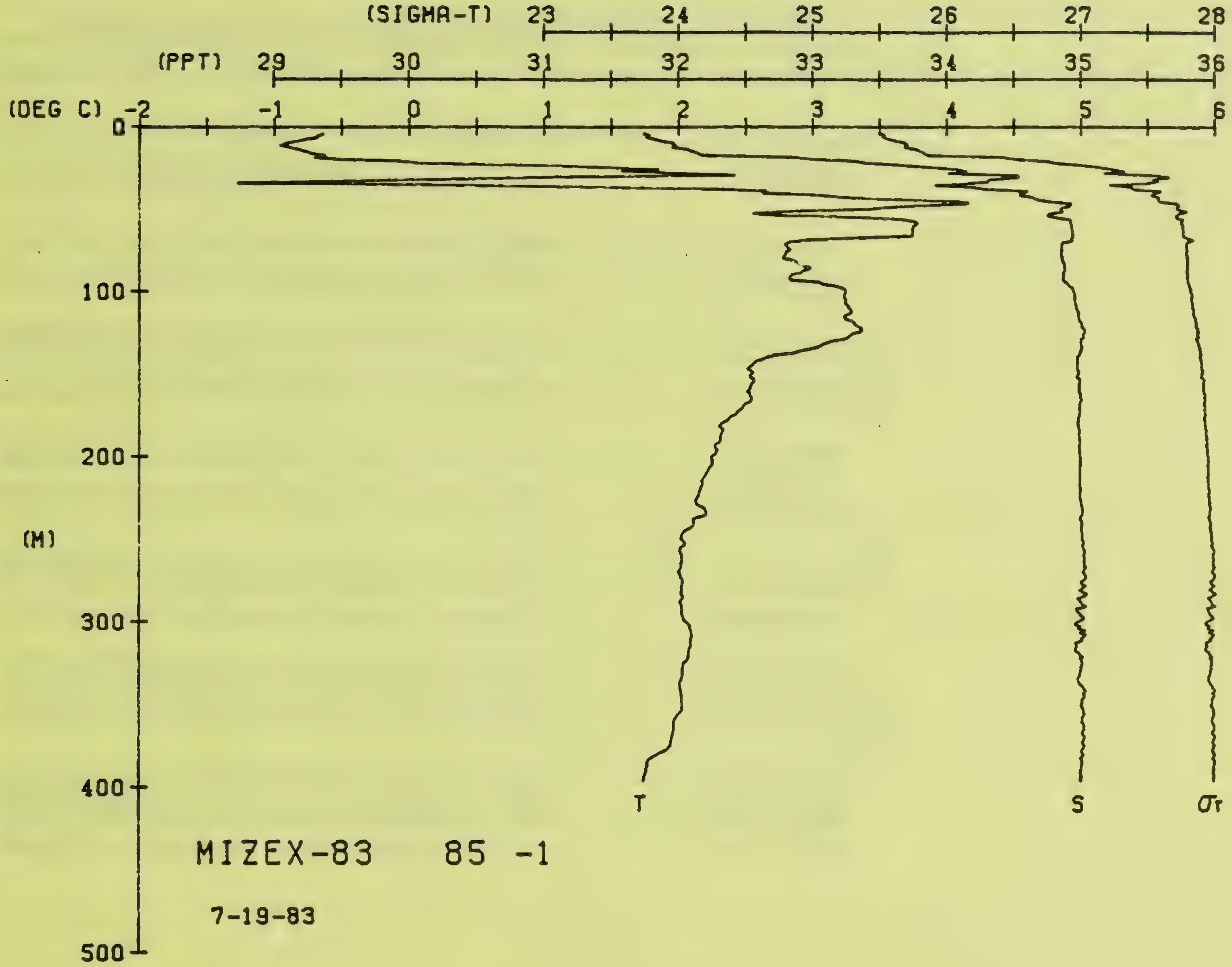
                        DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  86(1) CTD  19/JUL/1983 2304 GMT  CODE = 1
LAT = 79.1317N LNG =  -1.4317W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -0.31  -0.31   31.71   25.46   250.7   0.000   1443.3
   1.9  -0.31  -0.31   31.71   25.46   250.7   0.005   1443.3
   5.0  -0.27  -0.27   31.61   25.38   258.7   0.013   1443.4
  10.0  -0.55  -0.55   32.44   26.06   193.8   0.024   1443.4
  15.0  -1.45  -1.45   33.91   27.28    77.8   0.031   1441.3
  20.0  -1.67  -1.67   33.95   27.32    74.0   0.035   1440.4
  25.0  -1.74  -1.74   34.08   27.43    64.1   0.038   1440.3
  30.0  -1.74  -1.74   34.08   27.43    63.5   0.042   1440.4
  35.0  -1.76  -1.76   34.13   27.47    60.1   0.045   1440.5
  40.0  -1.76  -1.76   34.13   27.48    59.4   0.048   1440.6
  45.0  -1.73  -1.73   34.15   27.49    58.1   0.051   1440.8
  50.0  -1.71  -1.71   34.19   27.52    55.1   0.054   1441.0
  55.0  -1.66  -1.66   34.21   27.53    53.8   0.056   1441.4
  60.0  -1.49  -1.49   34.25   27.56    51.3   0.059   1442.3
  65.0  -0.76  -0.77   34.35   27.62    45.9   0.062   1446.0
  70.0   0.25   0.25   34.49   27.68    40.5   0.064   1450.9
  75.0   1.02   1.02   34.45   27.61    47.5   0.066   1454.4
  80.0   2.18   2.18   34.74   27.75    34.6   0.068   1460.0
  85.0   1.62   1.61   34.72   27.78    31.2   0.070   1457.6
  90.0   0.94   0.93   34.68   27.79    29.9   0.071   1454.6
  95.0   1.18   1.17   34.71   27.80    29.1   0.073   1455.8
 100.0   1.49   1.49   34.75   27.81    28.7   0.074   1457.3
 110.0   1.78   1.78   34.80   27.83    26.6   0.077   1458.9
 120.0   1.79   1.78   34.80   27.83    26.5   0.080   1459.0
 130.0   2.03   2.03   34.85   27.85    24.8   0.082   1460.4
 140.0   2.10   2.09   34.86   27.85    24.6   0.085   1460.8
 150.0   2.18   2.17   34.89   27.87    23.2   0.087   1461.4
 160.0   2.21   2.20   34.90   27.88    22.6   0.089   1461.7
 170.0   2.20   2.19   34.90   27.88    22.5   0.092   1461.8
 180.0   2.01   2.00   34.91   27.90    20.9   0.094   1461.2
 190.0   2.07   2.06   34.91   27.90    21.0   0.096   1461.6
 200.0   2.11   2.10   34.92   27.90    20.9   0.098   1461.9
 210.0   2.10   2.08   34.93   27.91    20.0   0.100   1462.1
 220.0   2.04   2.03   34.92   27.91    20.2   0.102   1462.0
 230.0   2.05   2.04   34.94   27.92    19.0   0.104   1462.2
 240.0   2.04   2.03   34.94   27.92    18.8   0.106   1462.3
 250.0   1.86   1.85   34.93   27.93    17.9   0.108   1461.7
 260.0   1.71   1.69   34.92   27.93    17.9   0.110   1461.2
 270.0   1.84   1.83   34.94   27.93    17.5   0.112   1461.9
 280.0   1.84   1.83   34.94   27.93    17.7   0.113   1462.1
 290.0   1.85   1.83   34.94   27.94    17.3   0.115   1462.3
 300.0   1.76   1.75   34.94   27.94    16.9   0.117   1462.1
 310.0   1.74   1.72   34.94   27.94    16.9   0.119   1462.2
 320.0   1.72   1.71   34.94   27.94    16.9   0.120   1462.3
 330.0   1.69   1.68   34.95   27.96    15.6   0.122   1462.3
 340.0   1.62   1.60   34.94   27.95    16.0   0.124   1462.1
 350.0   1.60   1.58   34.94   27.95    16.0   0.125   1462.2
 360.0   1.55   1.53   34.94   27.96    15.4   0.127   1462.1
 370.0   1.55   1.53   34.96   27.97    14.3   0.128   1462.4
 380.0   1.80   1.77   35.00   27.98    13.3   0.130   1463.7
 390.0   1.83   1.81   34.98   27.97    14.9   0.131   1463.9
 398.0   1.82   1.79   34.99   27.97    14.4   0.132   1464.0

                        DEPTH       TEMP.       SALIN
```



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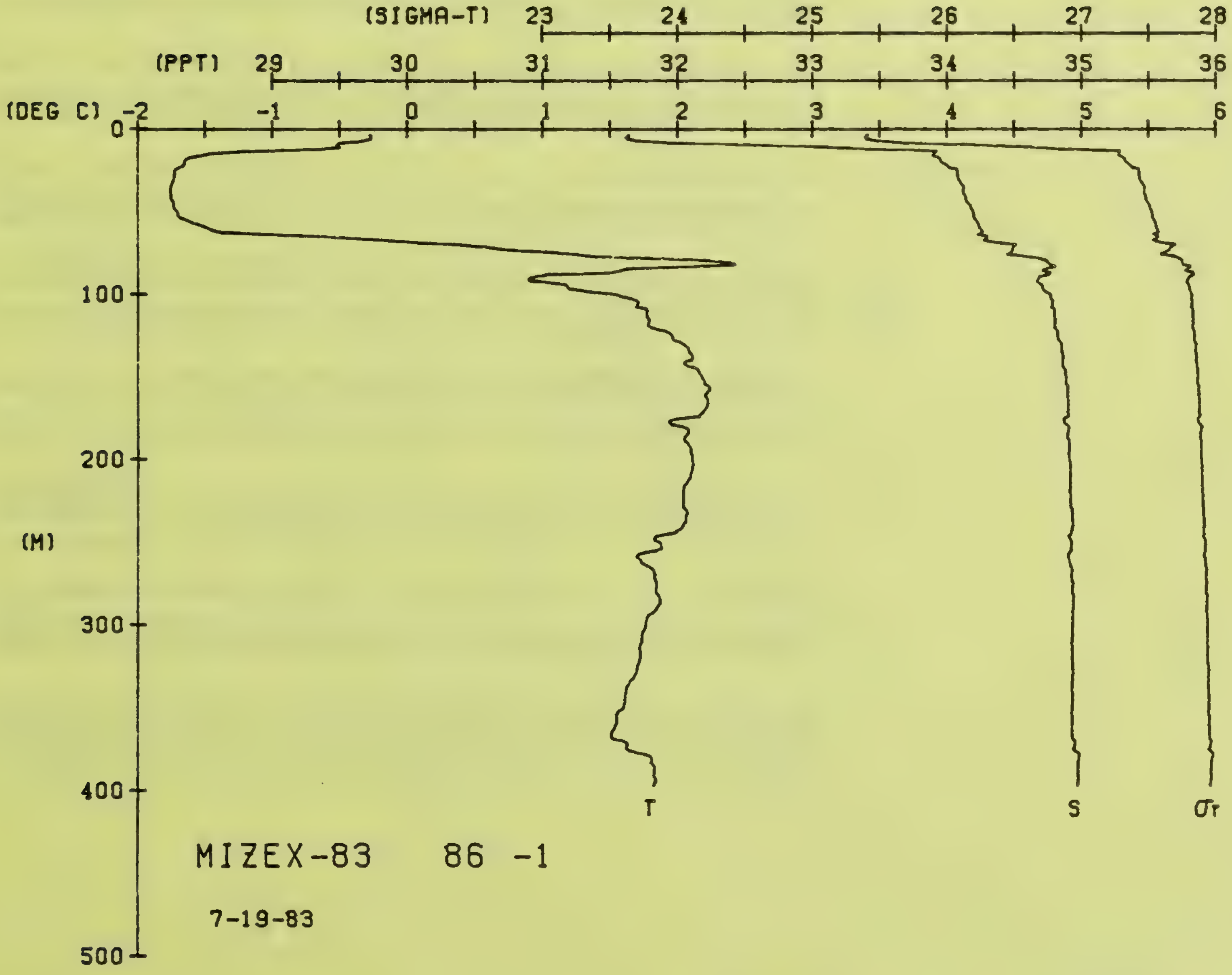

MIZEX-83 86 -1

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```
MIZEX-83 STATION  87(1) CTD  20/JUL/1983 1559 GMT   CODE = 1
LAT = 78.9783N LNG =    1.2800W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.06   -1.06   31.72   25.50   247.2   *****   1439.8
   2.0   -1.06   -1.06   31.72   25.50   247.2   *****   1439.9
   5.0   -0.97   -0.97   31.73   25.50   246.8   *****   1440.3
  10.0   -1.13   -1.13   31.74   25.51   245.8   *****   1439.7
  15.0   -1.29   -1.29   32.29   25.96   202.9   *****   1439.8
  20.0   -0.90   -0.90   33.17   26.67   136.1   *****   1442.9
  25.0   -1.08   -1.08   33.75   27.14    91.4   *****   1443.0
  30.0   -0.86   -0.86   34.07   27.40    67.0   *****   1444.6
  35.0   -1.33   -1.34   34.13   27.46    61.3   *****   1442.5
  40.0   -1.19   -1.19   34.28   27.57    50.2   *****   1443.4
  45.0   -0.71   -0.71   34.36   27.62    45.7   *****   1445.9
  50.0   -0.16   -0.16   34.46   27.68    40.6   *****   1448.7
  55.0   -0.08   -0.08   34.49   27.70    38.2   *****   1449.2
  60.0    0.34    0.34   34.56   27.73    35.7   *****   1451.2
  65.0    0.68    0.68   34.61   27.75    33.5   *****   1452.9
  70.0    1.31    1.30   34.78   27.85    24.9   *****   1456.0
  75.0    1.85    1.84   34.75   27.78    31.3   *****   1458.5
  80.0    2.39    2.38   34.81   27.79    30.5   *****   1461.0
  85.0    2.44    2.44   34.82   27.79    30.7   *****   1461.3
  90.0    1.98    1.98   34.79   27.81    28.8   *****   1459.4
  95.0    1.97    1.96   34.80   27.81    28.2   *****   1459.4
 100.0    1.92    1.92   34.80   27.82    27.9   *****   1459.3
 110.0    2.09    2.09   34.80   27.81    29.1   *****   1460.2
 120.0    2.11    2.11   34.84   27.84    26.0   *****   1460.5
 130.0    2.15    2.14   34.86   27.85    25.4   *****   1460.9
 140.0    2.18    2.18   34.87   27.86    24.5   *****   1461.2
 150.0    2.16    2.16   34.87   27.86    24.4   *****   1461.3
 160.0    2.17    2.16   34.89   27.87    23.4   *****   1461.5
 167.6    2.17    2.16   34.89   27.87    23.3   *****   1461.6
 170.0
 180.0
 190.0
 200.0
 210.0
 220.0
 230.0
 240.0
 240.1    2.11    2.09   34.92   27.90    20.6   *****   1462.6
 250.0    1.92    1.91   34.91   27.91    20.2   *****   1461.9
 260.0    1.88    1.86   34.91   27.91    19.5   *****   1461.9
 270.0    1.88    1.86   34.92   27.92    19.0   *****   1462.1
 280.0    1.86    1.84   34.92   27.92    19.3   *****   1462.2
 290.0    1.82    1.80   34.92   27.92    18.9   *****   1462.1
 300.0    1.86    1.84   34.93   27.92    18.7   *****   1462.5

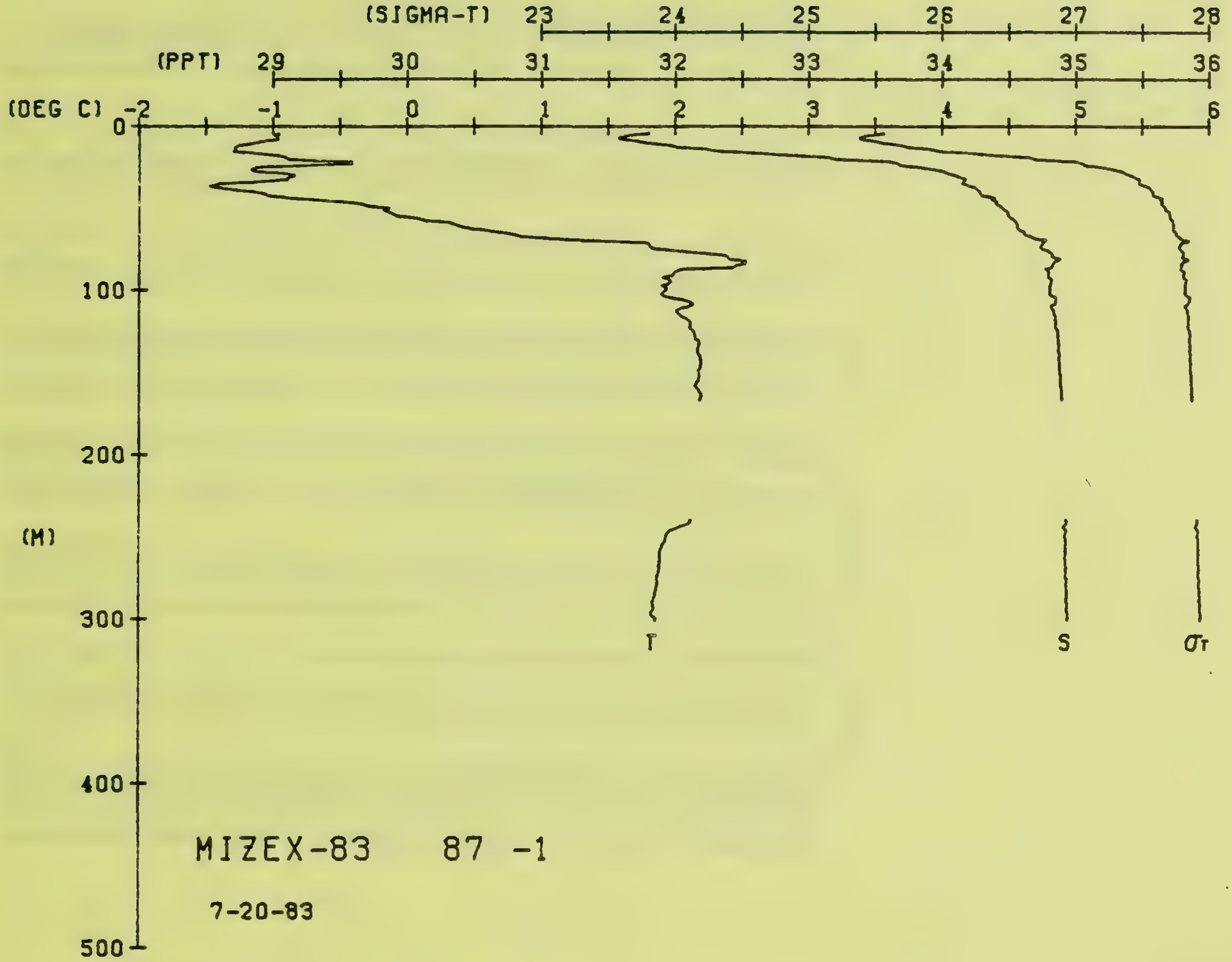
                         DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  88(1) CTD  21/JUL/1983  818 GMT   CODE = 1
LAT = 79.0283N LNG =    2.6217W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -0.28   -0.28   30.57   24.54   338.4   0.000   1441.9
   2.0  -0.28   -0.28   30.57   24.54   338.4   0.007   1441.9
   5.0  -1.03   -1.04   31.62   25.42   255.2   0.016   1439.9
  10.0  -1.06   -1.06   31.61   25.41   255.9   0.029   1439.8
  15.0  -1.07   -1.07   31.71   25.49   248.2   0.042   1440.0
  20.0  -1.05   -1.05   31.92   25.66   232.0   0.054   1440.5
  25.0  -0.99   -0.99   32.34   26.00   199.8   0.065   1441.4
  30.0  -1.06   -1.06   33.18   26.68   134.5   0.073   1442.4
  35.0  -1.17   -1.17   33.59   27.01   103.3   0.079   1442.5
  40.0  -1.29   -1.29   33.99   27.35    71.8   0.083   1442.6
  45.0  -1.51   -1.51   34.09   27.44    63.3   0.087   1441.8
  50.0  -1.54   -1.54   34.18   27.51    56.6   0.090   1441.8
  55.0  -1.64   -1.64   34.18   27.51    56.1   0.093   1441.5
  60.0  -1.30   -1.30   34.26   27.56    51.3   0.095   1443.2
  65.0  -0.35   -0.35   34.38   27.62    45.6   0.098   1447.9
  70.0   0.27    0.27   34.62   27.78    30.4   0.100   1451.2
  75.0   0.88    0.88   34.76   27.86    23.4   0.101   1454.2
  80.0   1.76    1.75   34.74   27.78    30.8   0.103   1458.2
  85.0   1.79    1.78   34.67   27.72    36.7   0.104   1458.3
  90.0   1.71    1.70   34.66   27.72    36.9   0.106   1458.0
  95.0   1.55    1.54   34.72   27.78    31.2   0.108   1457.4
 100.0   1.63    1.62   34.75   27.80    29.3   0.109   1457.9
 110.0   1.63    1.63   34.84   27.87    22.7   0.112   1458.2
 120.0   1.69    1.68   34.71   27.76    33.1   0.115   1458.5
 130.0   1.77    1.76   34.80   27.83    26.6   0.118   1459.1
 140.0   1.70    1.69   34.76   27.81    28.9   0.121   1458.9
 150.0   1.50    1.49   34.81   27.86    24.1   0.123   1458.3
 160.0   1.78    1.77   34.85   27.87    23.5   0.126   1459.7
 170.0   1.73    1.73   34.86   27.88    22.4   0.128   1459.7
 180.0   2.03    2.02   34.93   27.91    19.1   0.130   1461.3
 190.0   2.04    2.03   34.89   27.88    22.2   0.132   1461.4
 200.0   1.96    1.95   34.93   27.92    18.7   0.134   1461.3
 210.0   2.03    2.01   34.92   27.91    20.1   0.136   1461.7
 220.0   2.05    2.04   34.91   27.90    21.0   0.138   1462.0
 230.0   1.94    1.93   34.91   27.90    20.6   0.140   1461.7
 240.0   1.88    1.86   34.91   27.91    20.1   0.142   1461.6
 250.0   1.83    1.81   34.92   27.92    18.8   0.144   1461.5
 260.0   1.83    1.82   34.92   27.92    19.1   0.146   1461.7
 270.0   1.83    1.81   34.93   27.93    18.3   0.148   1461.9
 280.0   1.84    1.83   34.91   27.91    19.4   0.150   1462.1
 290.0   1.73    1.71   34.91   27.92    19.0   0.152   1461.7
 300.0   1.71    1.69   34.91   27.92    18.6   0.154   1461.8
 309.0   1.72    1.71   34.92   27.93    17.7   0.156   1462.1

                         DEPTH        TEMP.        SALIN
```



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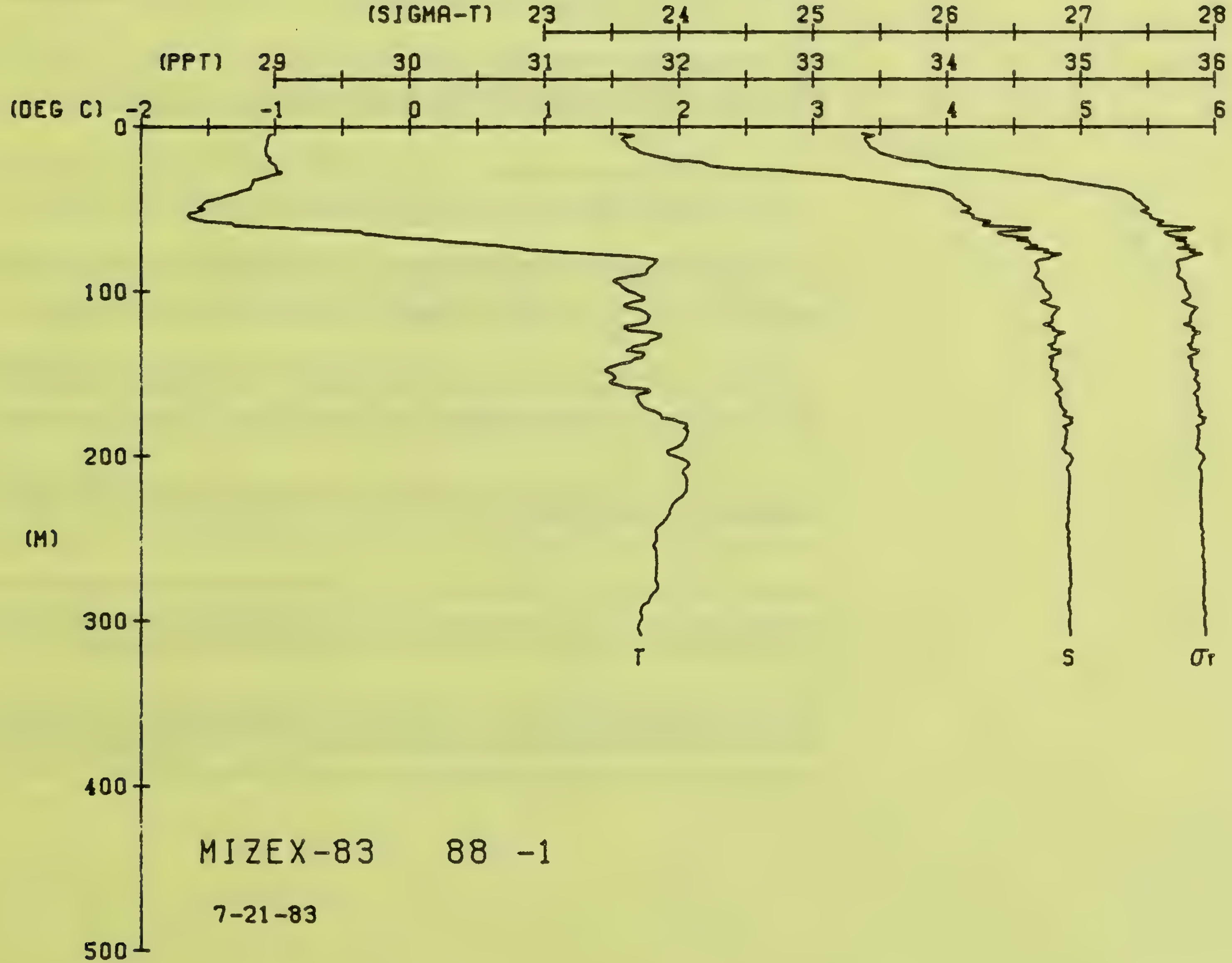

MIZEX-83 88 -1

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```
MIZEX-83 STATION  89(1) CTD  21/JUL/1983  820 GMT  CODE = 1
LAT = 79.0433N LNG =   2.6617W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0   -0.97   -0.97   31.59   25.39   257.6   0.000   1440.0
   1.9   -0.97   -0.97   31.59   25.39   257.6   0.005   1440.1
   5.0   -1.05   -1.05   31.56   25.37   259.8   0.013   1439.7
  10.0   -1.07   -1.07   31.65   25.44   252.8   0.026   1439.8
  15.0   -1.05   -1.05   31.73   25.51   246.4   0.039   1440.1
  20.0   -1.01   -1.01   32.15   25.84   214.7   0.050   1441.0
  25.0   -1.01   -1.01   32.77   26.35   166.7   0.060   1441.9
  30.0   -1.11   -1.11   33.29   26.77   126.2   0.067   1442.3
  35.0   -1.03   -1.03   33.82   27.20    85.7   0.073   1443.5
  40.0   -1.39   -1.39   34.02   27.37    69.1   0.077   1442.2
  45.0   -1.55   -1.55   34.12   27.46    60.7   0.080   1441.6
  50.0   -1.61   -1.61   34.15   27.49    58.3   0.083   1441.5
  55.0   -1.46   -1.46   34.26   27.57    50.2   0.086   1442.4
  60.0   -0.63   -0.63   34.50   27.73    35.3   0.088   1446.7
  65.0   -0.04   -0.04   34.46   27.67    41.1   0.090   1449.5
  70.0    0.88    0.88   34.57   27.70    38.2   0.092   1453.8
  75.0    1.74    1.74   34.71   27.76    33.5   0.094   1458.0
  80.0    1.74    1.73   34.67   27.73    35.9   0.095   1458.0
  85.0    1.91    1.90   34.71   27.75    34.5   0.097   1458.9
  90.0    1.51    1.51   34.69   27.76    32.8   0.099   1457.2
  95.0    1.57    1.57   34.71   27.78    31.6   0.100   1457.6
 100.0    1.72    1.71   34.76   27.80    29.5   0.102   1458.3
 110.0    1.77    1.76   34.78   27.82    28.0   0.105   1458.8
 120.0    1.50    1.49   34.77   27.82    27.1   0.108   1457.7
 130.0    1.61    1.60   34.79   27.84    26.1   0.110   1458.4
 140.0    1.58    1.57   34.81   27.85    24.5   0.113   1458.5
 150.0    2.19    2.18   34.91   27.89    21.6   0.115   1461.4
 160.0    2.26    2.25   34.90   27.87    23.2   0.117   1461.9
 170.0    2.10    2.09   34.89   27.88    22.6   0.120   1461.4
 180.0    2.13    2.12   34.89   27.87    22.9   0.122   1461.7
 190.0    2.05    2.04   34.89   27.88    22.4   0.124   1461.5
 200.0    1.93    1.92   34.89   27.89    21.3   0.127   1461.1
 210.0    2.04    2.03   34.90   27.89    21.4   0.129   1461.8
 220.0    2.05    2.04   34.92   27.90    20.7   0.131   1462.0
 230.0    1.95    1.94   34.91   27.91    20.1   0.133   1461.7
 240.0    1.90    1.88   34.90   27.90    20.4   0.135   1461.6
 250.0    1.87    1.86   34.91   27.91    19.8   0.137   1461.7
 260.0    1.86    1.84   34.92   27.92    19.0   0.139   1461.8
 270.0    1.83    1.81   34.91   27.92    19.3   0.141   1461.8
 280.0    1.85    1.83   34.93   27.92    18.6   0.143   1462.1
 290.0    1.79    1.77   34.92   27.93    18.4   0.145   1462.0
 300.0    1.74    1.73   34.92   27.93    18.2   0.147   1462.0
 307.6    1.68    1.67   34.93   27.94    17.3   0.148   1461.9

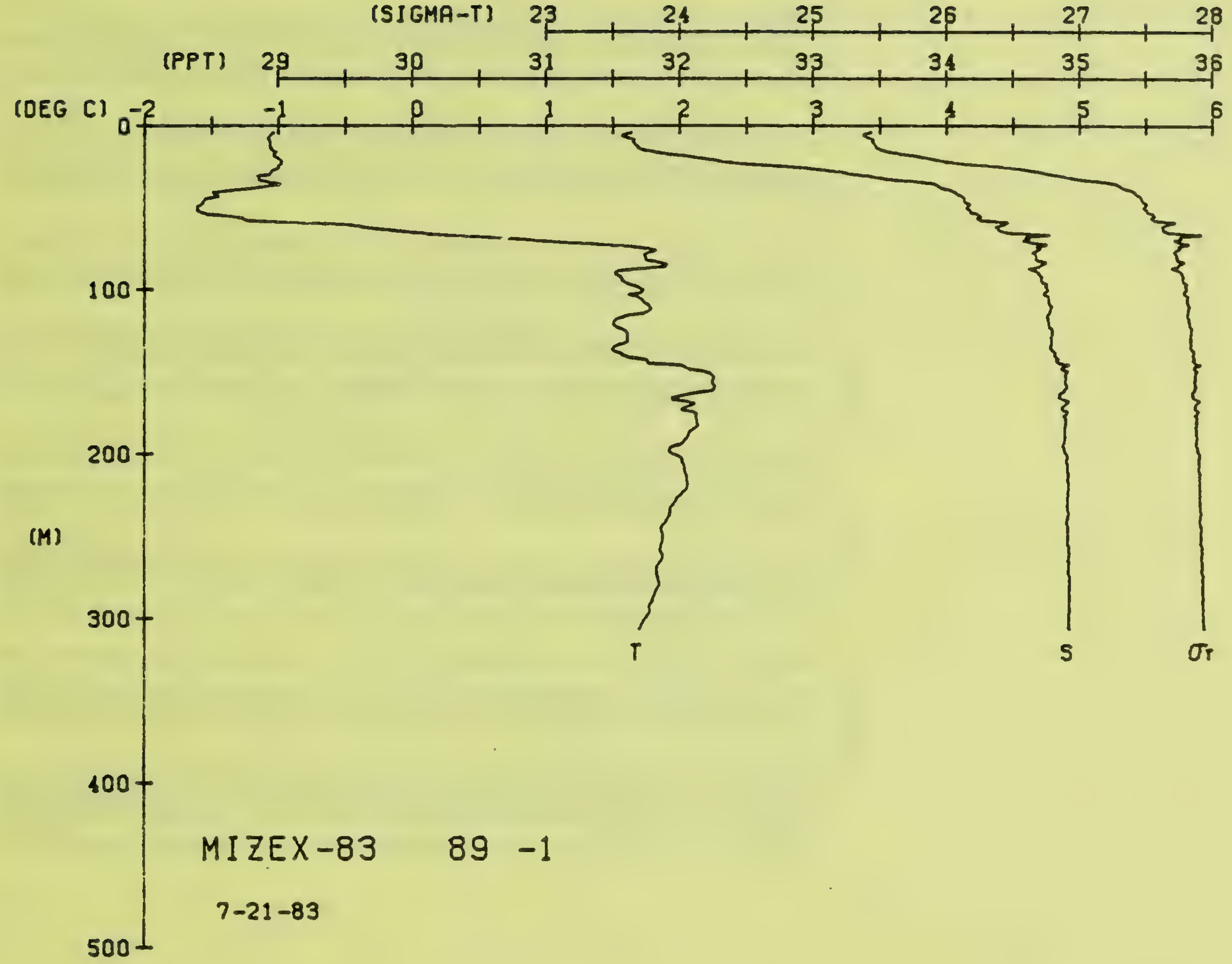
                         DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION  90(1) CTD  21/JUL/1983  855 GMT  CODE = 1
LAT = 79.0850N LNG =   3.0867W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

  0.0   -1.17   -1.17   31.77   25.54   243.3   0.000   1439.4
  1.9   -1.17   -1.17   31.77   25.54   243.2   0.005   1439.4
  5.0   -1.16   -1.16   31.75   25.52   244.9   0.012   1439.4
 10.0   -1.17   -1.17   31.78   25.55   242.6   0.025   1439.5
 15.0   -1.17   -1.17   31.80   25.56   241.0   0.037   1439.7
 20.0   -1.20   -1.20   31.85   25.61   236.8   0.049   1439.7
 25.0   -1.44   -1.44   32.28   25.96   202.9   0.060   1439.2
 30.0   -1.60   -1.60   33.04   26.58   144.4   0.069   1439.6
 35.0   -1.63   -1.63   33.42   26.90   114.4   0.075   1440.1
 40.0   -1.54   -1.54   33.64   27.07    98.1   0.081   1440.9
 45.0   -1.55   -1.55   33.85   27.24    82.0   0.085   1441.2
 50.0   -1.60   -1.60   33.99   27.35    71.0   0.089   1441.3
 55.0   -1.24   -1.24   34.01   27.36    70.5   0.093   1443.1
 60.0   -1.63   -1.63   34.09   27.43    63.4   0.096   1441.4
 65.0   -1.65   -1.65   34.12   27.46    60.5   0.099   1441.5
 70.0   -1.56   -1.56   34.18   27.51    55.9   0.102   1442.1
 75.0   -1.59   -1.59   34.17   27.50    56.6   0.105   1442.0
 80.0   -1.51   -1.51   34.20   27.52    54.7   0.108   1442.5
 85.0   -1.30   -1.30   34.25   27.55    51.8   0.111   1443.7
 90.0   -0.98   -0.99   34.33   27.61    46.4   0.113   1445.3
 95.0   -0.74   -0.74   34.37   27.63    44.9   0.115   1446.6
100.0   -0.64   -0.64   34.40   27.65    42.7   0.118   1447.2
110.0   -0.48   -0.48   34.45   27.68    39.7   0.122   1448.2
120.0   -0.02   -0.02   34.58   27.76    32.3   0.125   1450.6
130.0    1.39    1.38   34.76   27.83    26.8   0.128   1457.4
140.0    1.79    1.79   34.78   27.81    28.8   0.131   1459.4
150.0    2.01    2.00   34.82   27.82    27.4   0.134   1460.5
160.0    2.33    2.32   34.88   27.85    25.3   0.137   1462.2
170.0    2.56    2.55   34.91   27.85    25.0   0.139   1463.4
180.0    2.55    2.54   34.89   27.84    26.3   0.142   1463.5
190.0    2.48    2.47   34.91   27.86    24.5   0.144   1463.4
200.0    2.09    2.08   34.88   27.87    23.6   0.147   1461.8
210.0    2.54    2.53   34.94   27.88    22.6   0.149   1464.0
220.0    2.62    2.61   34.94   27.87    23.6   0.151   1464.5
230.0    2.39    2.38   34.92   27.87    23.6   0.154   1463.7
240.0    2.19    2.18   34.92   27.89    21.7   0.156   1463.0
250.0    2.17    2.15   34.92   27.90    21.1   0.158   1463.0
260.0    2.14    2.12   34.92   27.90    21.0   0.160   1463.1
270.0    2.12    2.11   34.94   27.91    19.9   0.163   1463.2
280.0    2.02    2.01   34.92   27.91    20.3   0.165   1462.9
290.0    2.03    2.01   34.94   27.92    19.2   0.167   1463.1
300.0    1.96    1.95   34.93   27.92    19.4   0.168   1463.0
307.9    1.82    1.80   34.93   27.93    18.1   0.170   1462.5

                        DEPTH        TEMP.        SALIN
```



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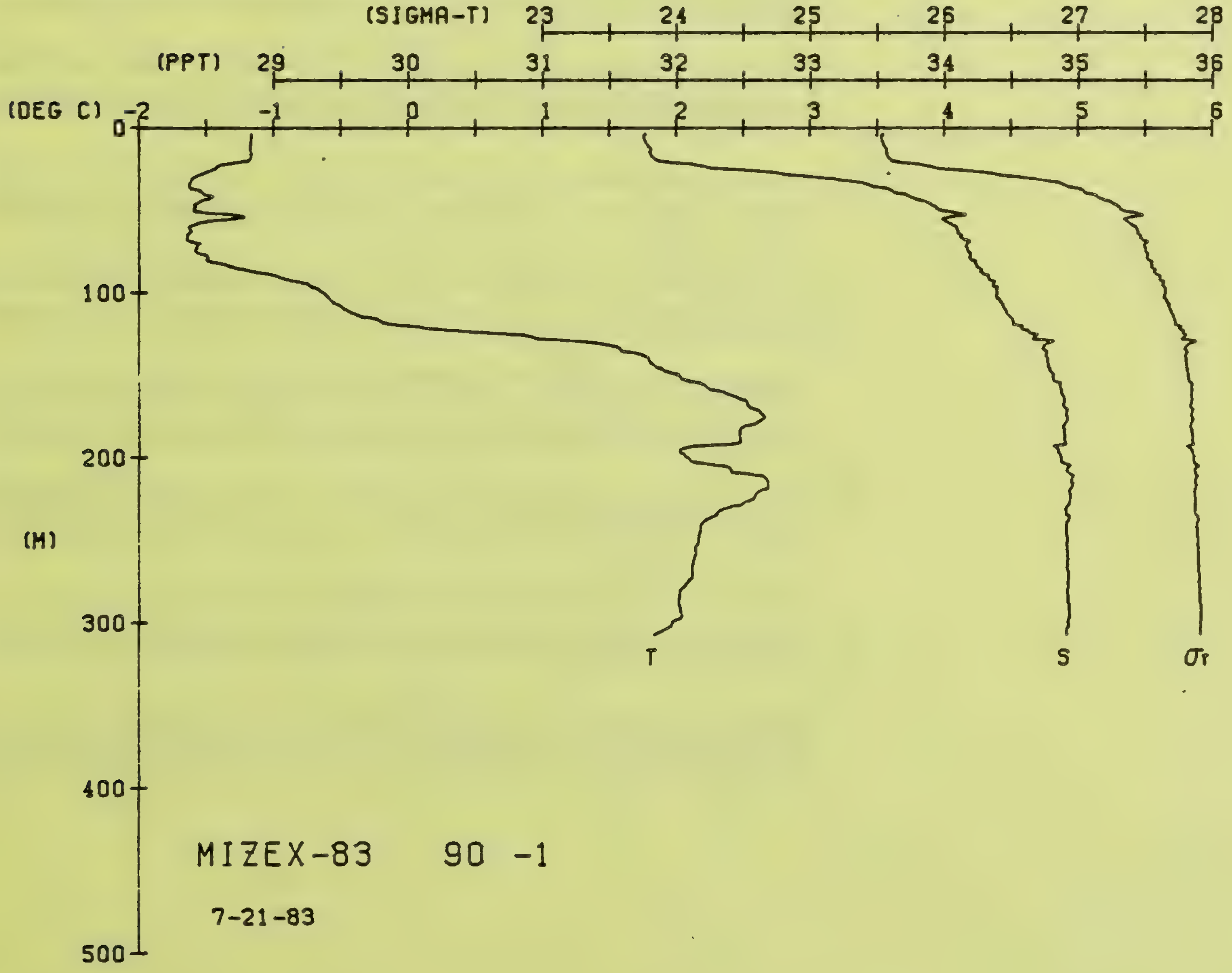

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```
MIZEX-83 STATION  91(1) CTD  21/JUL/1983  943 GMT  CODE = 1
LAT = 79.1150N LNG =   3.4833W LTER =   300.  LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.45   -1.45   31.54   25.36   260.7   0.000   1437.7
   1.9   -1.45   -1.45   31.54   25.36   260.7   0.005   1437.7
   5.0   -1.31   -1.31   31.57   25.38   258.2   0.013   1438.5
  10.0   -1.25   -1.25   31.58   25.39   257.4   0.026   1438.9
  15.0   -1.16   -1.17   31.67   25.46   250.7   0.039   1439.5
  20.0   -1.22   -1.22   31.78   25.55   242.2   0.052   1439.5
  25.0   -1.49   -1.49   32.05   25.77   221.0   0.063   1438.6
  30.0   -1.56   -1.56   32.55   26.19   181.8   0.073   1439.1
  35.0   -1.64   -1.64   33.16   26.68   135.0   0.081   1439.6
  40.0   -1.54   -1.54   33.55   26.99   105.2   0.087   1440.8
  45.0   -1.62   -1.62   33.71   27.12    92.7   0.092   1440.7
  50.0   -1.61   -1.61   33.83   27.23    82.8   0.097   1441.0
  55.0   -1.11   -1.12   33.97   27.32    73.9   0.101   1443.6
  60.0   -1.07   -1.07   34.03   27.37    69.4   0.104   1444.0
  65.0   -1.03   -1.03   34.11   27.43    63.6   0.108   1444.4
  70.0   -0.98   -0.98   34.17   27.48    59.3   0.111   1444.8
  75.0   -1.21   -1.21   34.16   27.48    59.1   0.114   1443.7
  80.0   -1.38   -1.38   34.21   27.53    54.2   0.117   1443.1
  85.0   -1.29   -1.29   34.25   27.56    51.6   0.119   1443.7
  90.0   -1.02   -1.03   34.30   27.59    48.8   0.122   1445.1
  95.0   -0.74   -0.74   34.35   27.62    45.8   0.124   1446.6
 100.0   -0.60   -0.60   34.36   27.62    46.0   0.127   1447.3
 110.0    0.22    0.21   34.52   27.71    37.4   0.131   1451.4
 120.0    0.66    0.65   34.59   27.74    34.9   0.135   1453.7
 130.0    1.26    1.26   34.71   27.79    30.1   0.138   1456.8
 140.0    1.72    1.71   34.77   27.81    28.4   0.141   1459.0
 150.0    1.70    1.69   34.78   27.82    28.2   0.144   1459.1
 160.0    1.88    1.88   34.81   27.83    27.3   0.146   1460.1
 170.0    2.24    2.23   34.87   27.85    25.5   0.149   1461.9
 180.0    2.62    2.61   34.92   27.86    24.7   0.152   1463.9
 190.0    2.60    2.58   34.92   27.86    24.6   0.154   1463.9
 200.0    2.60    2.59   34.92   27.86    24.8   0.157   1464.1
 210.0    2.15    2.14   34.89   27.87    23.1   0.159   1462.3
 220.0    2.31    2.30   34.92   27.88    22.7   0.161   1463.1
 230.0    2.27    2.25   34.92   27.89    22.2   0.164   1463.1
 240.0    2.33    2.31   34.94   27.90    21.1   0.166   1463.6
 250.0    2.35    2.34   34.95   27.90    21.0   0.168   1463.9
 260.0    2.15    2.14   34.91   27.89    22.2   0.170   1463.1
 270.0    2.05    2.04   34.92   27.91    20.5   0.172   1462.9
 280.0    2.07    2.06   34.94   27.91    19.7   0.174   1463.1
 290.0    2.06    2.04   34.94   27.92    19.3   0.176   1463.2
 300.0    2.04    2.03   34.94   27.92    19.1   0.178   1463.3
 307.6    1.94    1.92   34.93   27.92    18.8   0.180   1463.0

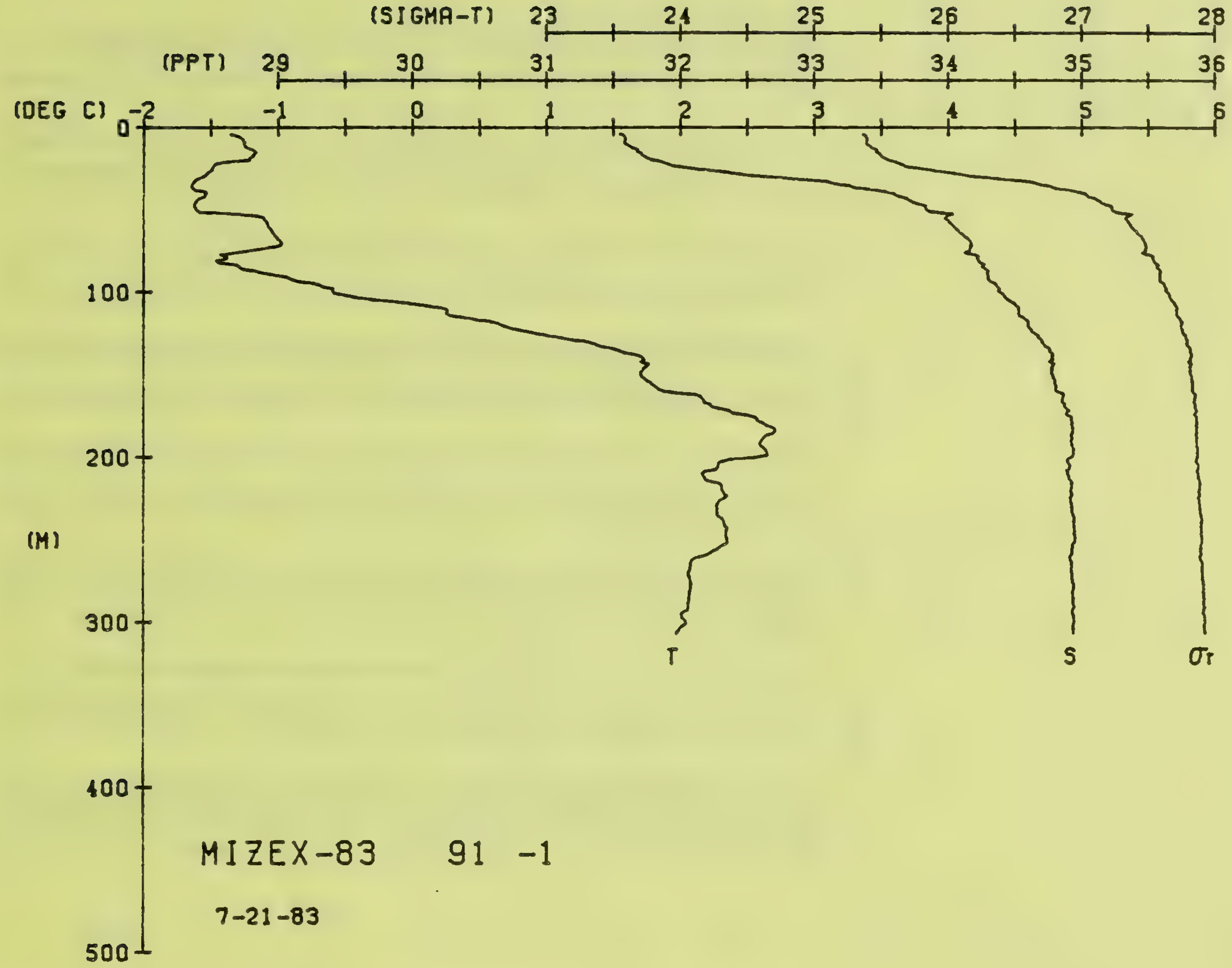
                        DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  92(1) CTD  21/JUL/1983 1029 GMT  CODE = 1
LAT = 79.1550N LNG =   3.9833W LTER =   300.  LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0.

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -0.81   -0.81   31.59   25.38   258.2   0.000   1440.8
  1.9   -0.81   -0.81   31.59   25.38   258.2   0.005   1440.8
  5.0   -0.84   -0.84   31.81   25.56   241.3   0.013   1441.0
 10.0   -1.21   -1.21   31.65   25.44   252.6   0.025   1439.2
 15.0   -1.23   -1.23   31.69   25.48   249.1   0.038   1439.2
 20.0   -1.25   -1.25   31.79   25.56   241.5   0.050   1439.3
 25.0   -1.29   -1.29   31.93   25.67   230.8   0.062   1439.4
 30.0   -1.54   -1.54   32.42   26.08   191.8   0.073   1439.0
 35.0   -1.56   -1.56   32.91   26.48   154.1   0.082   1439.7
 40.0   -1.53   -1.53   33.30   26.79   124.1   0.089   1440.5
 45.0   -1.51   -1.51   33.50   26.95   108.9   0.095   1440.9
 50.0   -1.69   -1.69   33.69   27.11    93.9   0.100   1440.4
 55.0   -1.57   -1.57   33.83   27.22    83.6   0.104   1441.3
 60.0   -1.60   -1.61   33.91   27.29    77.1   0.108   1441.3
 65.0   -1.65   -1.66   34.01   27.37    69.4   0.112   1441.3
 70.0   -1.66   -1.66   34.06   27.41    65.3   0.115   1441.4
 75.0   -1.63   -1.63   34.08   27.43    63.5   0.119   1441.7
 80.0   -1.61   -1.61   34.16   27.49    57.9   0.122   1442.0
 85.0   -1.57   -1.57   34.17   27.50    57.2   0.125   1442.3
 90.0   -1.41   -1.41   34.24   27.55    51.9   0.127   1443.2
 95.0   -0.93   -0.94   34.27   27.56    51.2   0.130   1445.6
100.0   -0.48   -0.48   34.39   27.64    44.3   0.132   1447.9
110.0   -0.10   -0.11   34.46   27.67    40.9   0.137   1449.9
120.0    0.42    0.42   34.59   27.75    33.4   0.140   1452.6
130.0    1.04    1.03   34.66   27.77    31.8   0.144   1455.7
140.0    1.27    1.26   34.71   27.80    29.7   0.147   1456.9
150.0    1.29    1.28   34.74   27.82    27.8   0.150   1457.2
160.0    1.86    1.85   34.83   27.85    25.1   0.152   1460.1
170.0    1.78    1.78   34.81   27.83    26.5   0.155   1459.9
180.0    1.92    1.91   34.84   27.85    24.8   0.158   1460.7
190.0    2.20    2.19   34.90   27.87    23.2   0.160   1462.2
200.0    2.24    2.23   34.90   27.87    23.4   0.162   1462.5
210.0    2.25    2.24   34.91   27.88    23.0   0.165   1462.7
220.0    2.18    2.17   34.91   27.89    22.0   0.167   1462.6
230.0    1.87    1.86   34.88   27.89    22.0   0.169   1461.3
240.0    1.83    1.82   34.89   27.90    20.7   0.171   1461.3
250.0    1.74    1.73   34.88   27.90    20.7   0.174   1461.1
260.0    1.75    1.73   34.90   27.91    19.9   0.176   1461.3
270.0    1.32    1.31   34.86   27.91    19.7   0.178   1459.5
280.0    1.52    1.50   34.90   27.93    17.8   0.180   1460.6
290.0    1.66    1.64   34.92   27.94    17.4   0.181   1461.5
300.0    1.56    1.54   34.91   27.94    17.4   0.183   1461.1
304.2    1.61    1.59   34.92   27.94    16.9   0.184   1461.5

                       DEPTH       TEMP.       SALIN
```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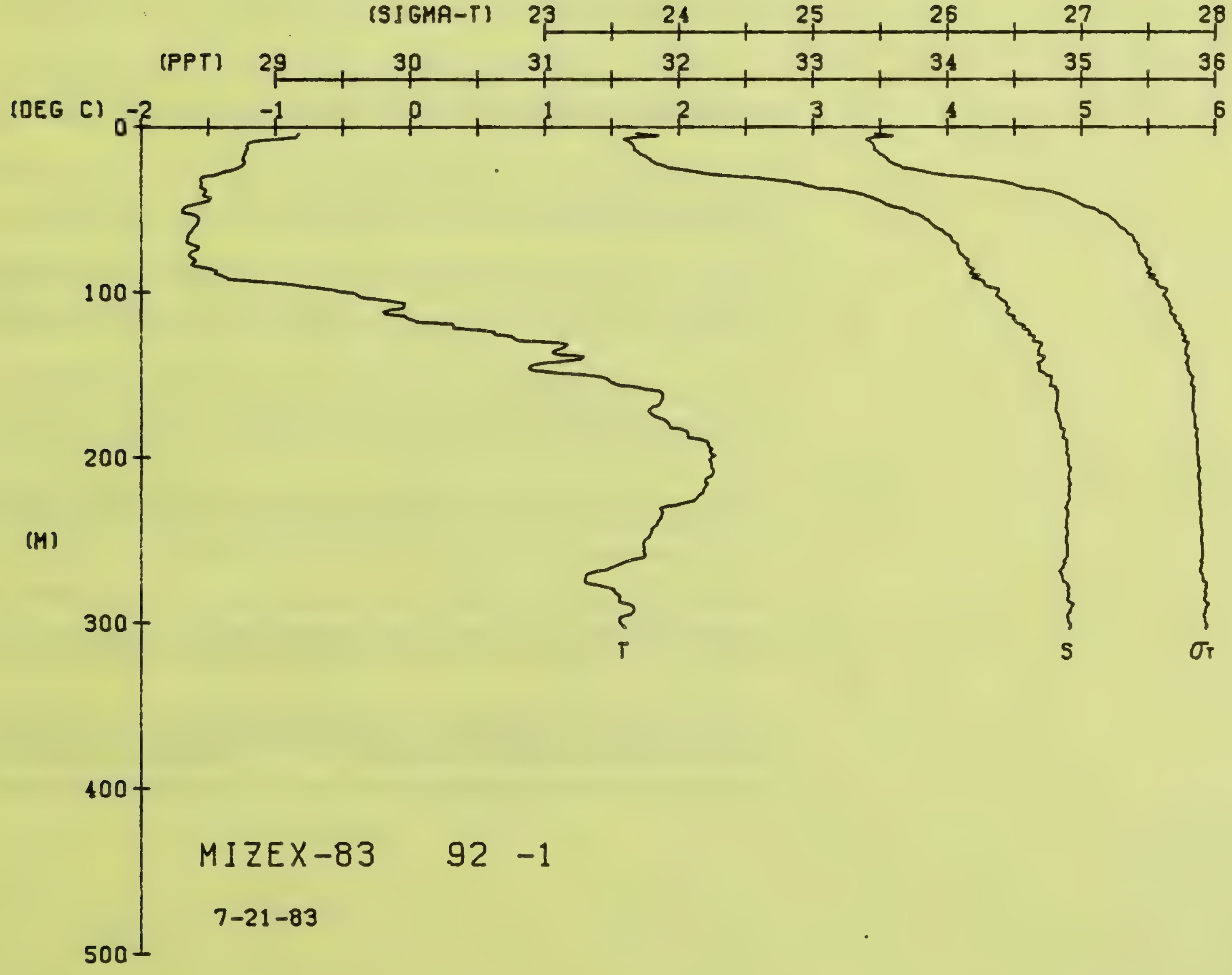
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 91 -1
7-21-83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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 92 -1
7-21-83

```
MIZEX-83 STATION  93(1) CTD  21/JUL/1983 1114 GMT  CODE = 1
LAT = 79.1917N LNG =   4.4183W LTER =   300.  LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.96   -0.96   31.39   25.22   273.5   0.000   1439.8
   1.9   -0.96   -0.96   31.39   25.22   273.5   0.005   1439.8
   5.0   -1.07   -1.07   31.50   25.32   264.5   0.014   1439.5
  10.0   -0.96   -0.96   31.50   25.32   264.6   0.027   1440.1
  15.0   -1.14   -1.14   31.51   25.33   263.6   0.040   1439.4
  20.0   -1.22   -1.22   31.53   25.34   261.8   0.054   1439.1
  25.0   -1.27   -1.27   31.66   25.45   251.3   0.067   1439.1
  30.0   -1.38   -1.38   31.97   25.71   226.8   0.079   1439.1
  35.0   -1.52   -1.52   32.45   26.10   189.5   0.089   1439.2
  40.0   -1.56   -1.56   32.91   26.48   154.2   0.098   1439.8
  45.0   -1.55   -1.55   33.23   26.73   129.6   0.105   1440.4
  50.0   -1.65   -1.65   33.44   26.91   112.8   0.111   1440.3
  55.0   -1.59   -1.59   33.65   27.08    97.1   0.117   1440.9
  60.0   -1.57   -1.57   33.86   27.25    81.0   0.121   1441.4
  65.0   -1.16   -1.16   33.99   27.34    72.1   0.125   1443.6
  70.0   -1.58   -1.58   34.06   27.41    65.6   0.128   1441.8
  75.0   -1.71   -1.71   34.12   27.46    60.4   0.132   1441.4
  80.0   -1.67   -1.67   34.11   27.45    61.4   0.135   1441.6
  85.0   -1.67   -1.67   34.14   27.48    58.9   0.138   1441.8
  90.0   -1.62   -1.63   34.16   27.50    57.3   0.141   1442.1
  95.0   -1.44   -1.44   34.17   27.49    57.6   0.144   1443.0
 100.0   -1.14   -1.14   34.20   27.51    55.8   0.146   1444.6
 110.0   -0.47   -0.47   34.35   27.60    47.5   0.152   1448.1
 120.0   -0.13   -0.14   34.48   27.69    39.1   0.156   1450.0
 130.0    0.30    0.30   34.55   27.73    35.7   0.160   1452.2
 140.0    0.87    0.86   34.64   27.76    32.6   0.163   1455.1
 150.0    1.35    1.34   34.73   27.80    29.0   0.166   1457.5
 160.0    1.42    1.42   34.75   27.81    28.3   0.169   1458.0
 170.0    1.91    1.91   34.82   27.83    26.7   0.172   1460.4
 180.0    2.02    2.01   34.85   27.85    25.5   0.175   1461.1
 190.0    2.11    2.10   34.87   27.86    24.6   0.177   1461.7
 200.0    2.23    2.22   34.89   27.87    23.8   0.180   1462.4
 210.0    2.15    2.14   34.90   27.88    22.9   0.182   1462.3
 220.0    2.13    2.12   34.90   27.88    22.4   0.184   1462.3
 230.0    2.11    2.10   34.90   27.89    22.1   0.187   1462.4
 240.0    2.18    2.17   34.92   27.89    21.3   0.189   1462.9
 250.0    2.08    2.07   34.91   27.89    21.4   0.191   1462.6
 260.0    2.09    2.08   34.93   27.91    20.1   0.193   1462.9
 270.0    1.99    1.97   34.92   27.91    20.1   0.195   1462.6
 280.0    1.91    1.89   34.91   27.91    19.9   0.197   1462.4
 290.0    1.88    1.86   34.92   27.92    19.4   0.199   1462.4
 300.0    1.89    1.87   34.93   27.93    18.4   0.201   1462.6
 303.9    1.86    1.85   34.92   27.92    19.1   0.202   1462.6

                         DEPTH       TEMP.       SALIN
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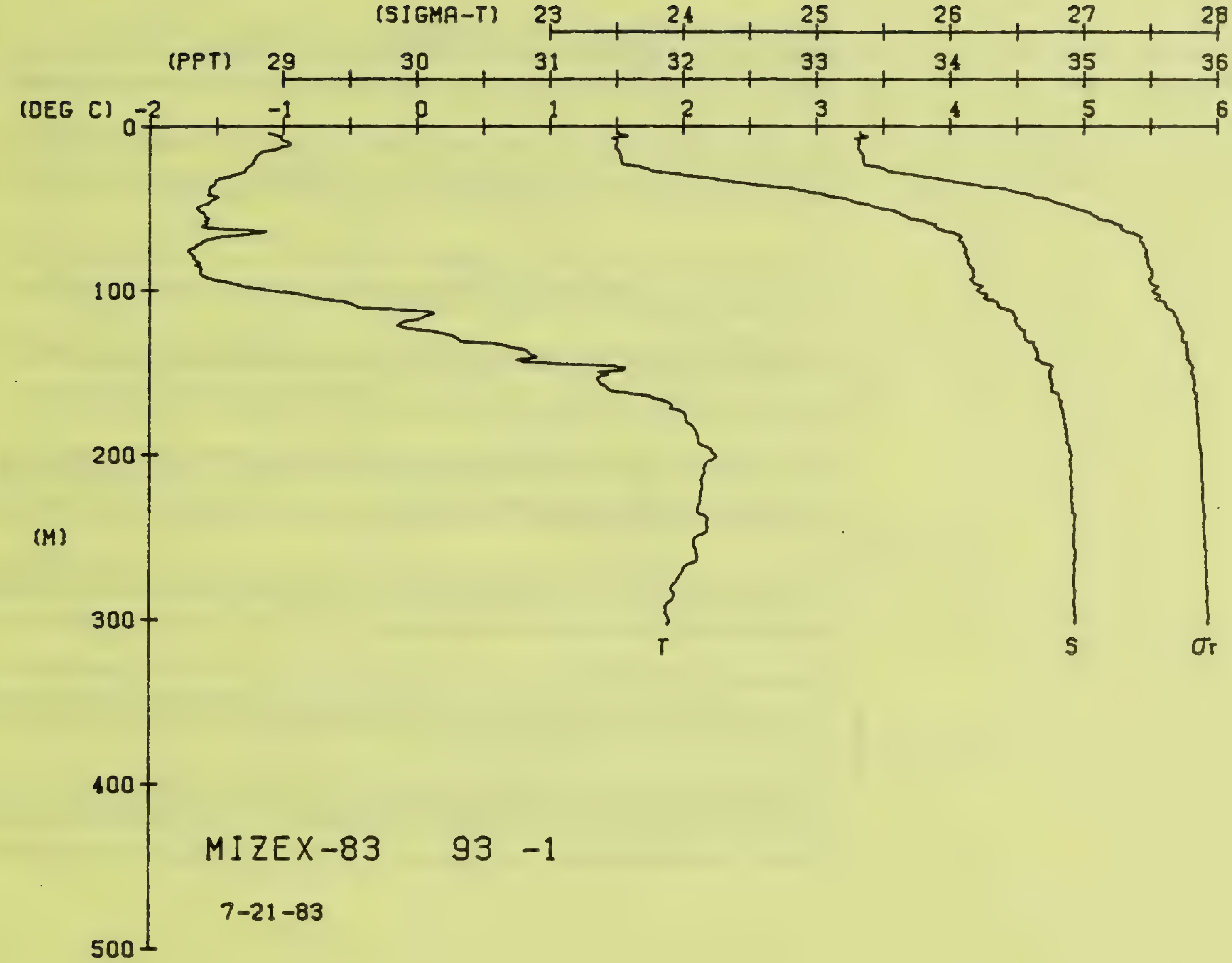
MIZEX-83 STATION  94(1) CTD  21/JUL/1983 1206 GMT  CODE = 1
LAT = 79.2283N LNG =   4.8850W LTER =   300.  LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -1.26   -1.26   31.26   25.13   282.5   0.000   1438.2
  1.9   -1.26   -1.26   31.26   25.13   282.5   0.006   1438.2
  5.0   -1.37   -1.37   31.41   25.26   270.4   0.014   1438.0
 10.0   -1.33   -1.33   31.47   25.30   266.3   0.028   1438.3
 15.0   -1.39   -1.39   31.44   25.28   268.1   0.041   1438.1
 20.0   -1.46   -1.46   31.58   25.40   257.0   0.055   1438.0
 25.0   -1.51   -1.51   31.67   25.47   249.7   0.067   1438.0
 30.0   -1.56   -1.56   31.73   25.52   245.4   0.080   1437.9
 35.0   -1.58   -1.58   31.83   25.60   237.1   0.092   1438.1
 40.0   -1.61   -1.61   32.03   25.76   222.0   0.104   1438.3
 45.0   -1.60   -1.60   32.46   26.11   188.7   0.114   1439.0
 50.0   -1.46   -1.46   32.93   26.49   152.8   0.123   1440.4
 55.0   -1.47   -1.47   33.27   26.76   126.8   0.130   1441.0
 60.0   -1.51   -1.51   33.52   26.97   107.5   0.136   1441.2
 65.0   -1.63   -1.63   33.73   27.14    90.7   0.141   1441.0
 70.0   -1.62   -1.62   33.86   27.25    80.4   0.145   1441.3
 75.0   -1.60   -1.60   33.96   27.33    73.1   0.149   1441.6
 80.0   -1.62   -1.62   34.04   27.39    67.2   0.152   1441.8
 85.0   -1.64   -1.65   34.08   27.43    63.3   0.156   1441.8
 90.0   -1.65   -1.65   34.10   27.45    62.0   0.159   1441.9
 95.0   -1.64   -1.64   34.13   27.47    59.9   0.162   1442.0
100.0   -1.61   -1.62   34.17   27.50    56.7   0.165   1442.3
110.0   -1.55   -1.55   34.20   27.52    54.4   0.170   1442.8
120.0   -1.15   -1.15   34.30   27.60    47.8   0.176   1445.0
130.0   -0.70   -0.70   34.38   27.64    43.7   0.180   1447.4
140.0    0.20    0.20   34.50   27.69    39.4   0.184   1451.9
150.0    0.99    0.98   34.67   27.78    31.3   0.188   1455.8
160.0    1.70    1.70   34.74   27.79    30.9   0.191   1459.2
170.0    1.42    1.41   34.71   27.79    30.9   0.194   1458.1
180.0    1.64    1.63   34.83   27.86    23.7   0.197   1459.4
190.0    2.03    2.01   34.85   27.85    25.1   0.199   1461.3
200.0    2.28    2.27   34.90   27.87    23.4   0.202   1462.7
210.0    2.28    2.27   34.90   27.87    23.9   0.204   1462.8
220.0    2.43    2.42   34.93   27.88    23.1   0.207   1463.7
230.0    2.46    2.45   34.93   27.88    22.9   0.209   1464.0
240.0    2.39    2.37   34.93   27.89    22.3   0.211   1463.8
250.0    2.25    2.23   34.91   27.88    22.9   0.214   1463.4
260.0    2.14    2.12   34.91   27.89    21.9   0.216   1463.0
270.0    1.98    1.97   34.90   27.90    21.2   0.218   1462.5
280.0    1.91    1.89   34.89   27.89    21.4   0.220   1462.3
290.0    1.79    1.77   34.91   27.91    19.4   0.222   1462.0

                        DEPTH       TEMP.       SALIN
```



MIZEX-83 93 -1

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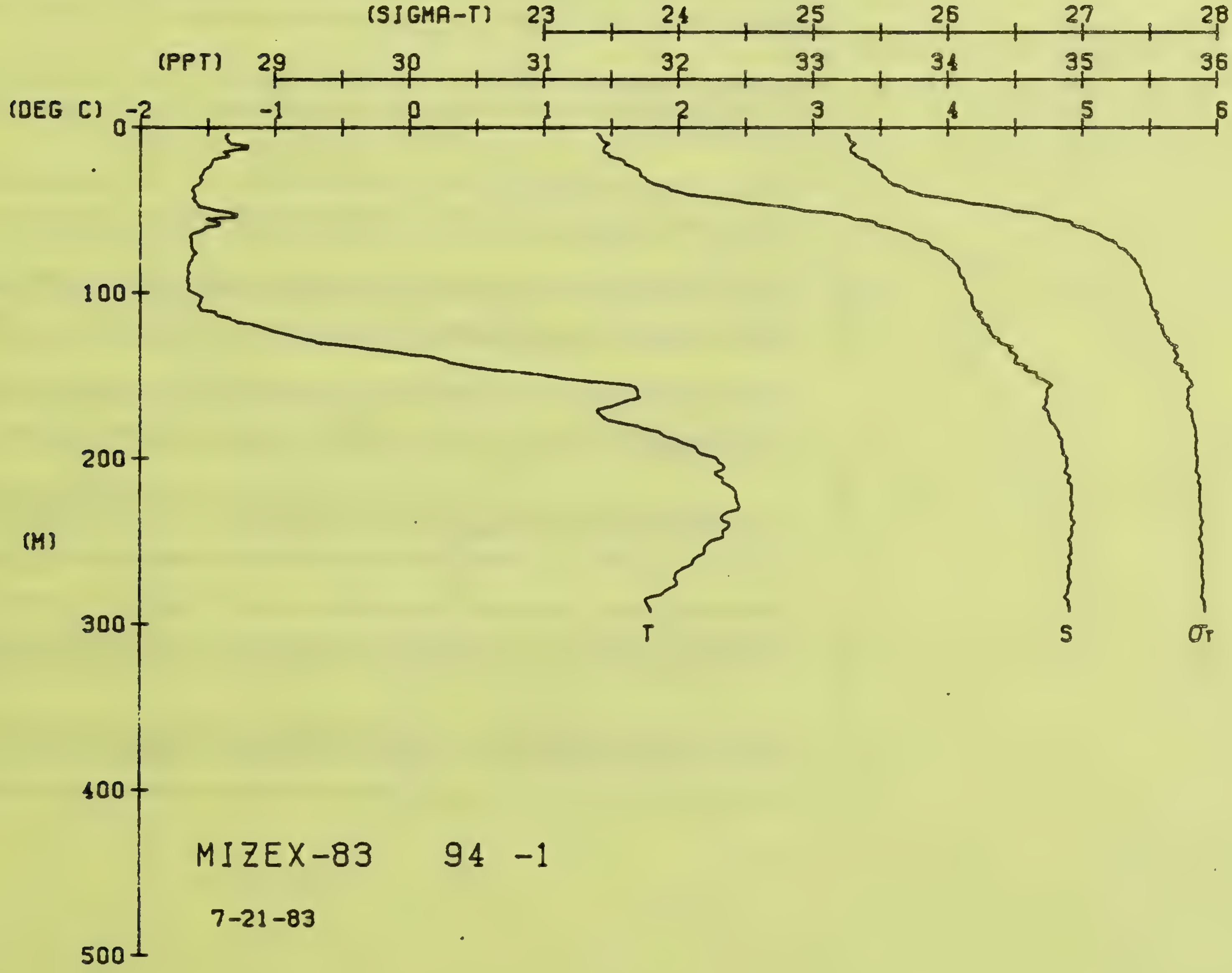

MIZEX-83 94 -1

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MIZEX-83 STATION  95(1) CTD  21/JUL/1983 1254 GMT  CODE = 1
LAT = 79.0000N LNG =   2.2350W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.56   -0.56   31.47   25.28   268.3   0.000   1441.8
   2.0   -0.56   -0.56   31.47   25.28   268.3   0.005   1441.8
   5.0   -0.87   -0.87   31.54   25.34   262.0   0.013   1440.5
  10.0   -0.77   -0.77   31.54   25.34   261.9   0.027   1441.1
  15.0   -0.76   -0.76   32.51   26.13   187.5   0.038   1442.6
  20.0   -0.72   -0.73   33.06   26.57   145.1   0.047   1443.6
  25.0   -1.15   -1.16   33.70   27.11    94.5   0.053   1442.6
  30.0   -1.17   -1.17   34.00   27.35    71.5   0.057   1443.0
  35.0   -1.54   -1.54   34.11   27.45    62.1   0.060   1441.5
  40.0   -1.62   -1.62   34.15   27.49    58.6   0.063   1441.3
  45.0   -1.51   -1.51   34.21   27.53    54.3   0.066   1441.9
  50.0   -1.31   -1.31   34.24   27.55    52.2   0.069   1443.0
  55.0   -1.02   -1.02   34.30   27.59    49.1   0.071   1444.5
  60.0   -0.51   -0.51   34.38   27.63    44.8   0.074   1447.1
  65.0    0.01    0.01   34.43   27.65    43.6   0.076   1449.6
  70.0    0.92    0.92   34.56   27.70    39.0   0.078   1454.0
  75.0    0.35    0.35   34.57   27.74    34.5   0.080   1451.6
  80.0    0.61    0.60   34.60   27.75    33.9   0.082   1452.8
  85.0    1.59    1.59   34.71   27.77    31.8   0.083   1457.5
  90.0    1.51    1.50   34.71   27.78    31.5   0.085   1457.2
  95.0    1.35    1.35   34.72   27.80    29.3   0.086   1456.6
 100.0    1.64    1.64   34.75   27.80    29.8   0.088   1458.0
 110.0    1.97    1.97   34.90   27.89    21.0   0.090   1459.8
 120.0    2.51    2.51   34.85   27.81    28.8   0.093   1462.3
 130.0    2.16    2.15   34.86   27.85    25.4   0.096   1460.9
 140.0    1.96    1.95   34.90   27.90    20.5   0.098   1460.3
 150.0    1.90    1.89   34.86   27.87    23.2   0.100   1460.1
 160.0    1.79    1.78   34.84   27.86    24.3   0.103   1459.7
 170.0    1.88    1.87   34.88   27.88    22.0   0.105   1460.4
 180.0    1.74    1.73   34.80   27.83    26.5   0.107   1459.8
 190.0    1.72    1.71   34.87   27.89    21.7   0.110   1460.0
 200.0    1.65    1.64   34.86   27.89    21.7   0.112   1459.8
 210.0    1.76    1.75   34.87   27.89    21.7   0.114   1460.5
 220.0    1.73    1.72   34.87   27.89    21.7   0.116   1460.5
 230.0    1.76    1.74   34.89   27.91    20.0   0.119   1460.8
 240.0    1.75    1.74   34.90   27.91    19.5   0.121   1461.0
 250.0    1.76    1.75   34.91   27.92    19.0   0.122   1461.2
 260.0    1.79    1.77   34.90   27.91    19.7   0.124   1461.5
 270.0    1.75    1.74   34.91   27.92    18.6   0.126   1461.5
 280.0    1.63    1.62   34.90   27.92    18.7   0.128   1461.1
 290.0    1.63    1.62   34.91   27.93    17.7   0.130   1461.3
 300.0    1.62    1.61   34.91   27.93    18.2   0.132   1461.4
 303.5    1.58    1.57   34.92   27.94    17.2   0.133   1461.3

                         DEPTH       TEMP.       SALIN
```
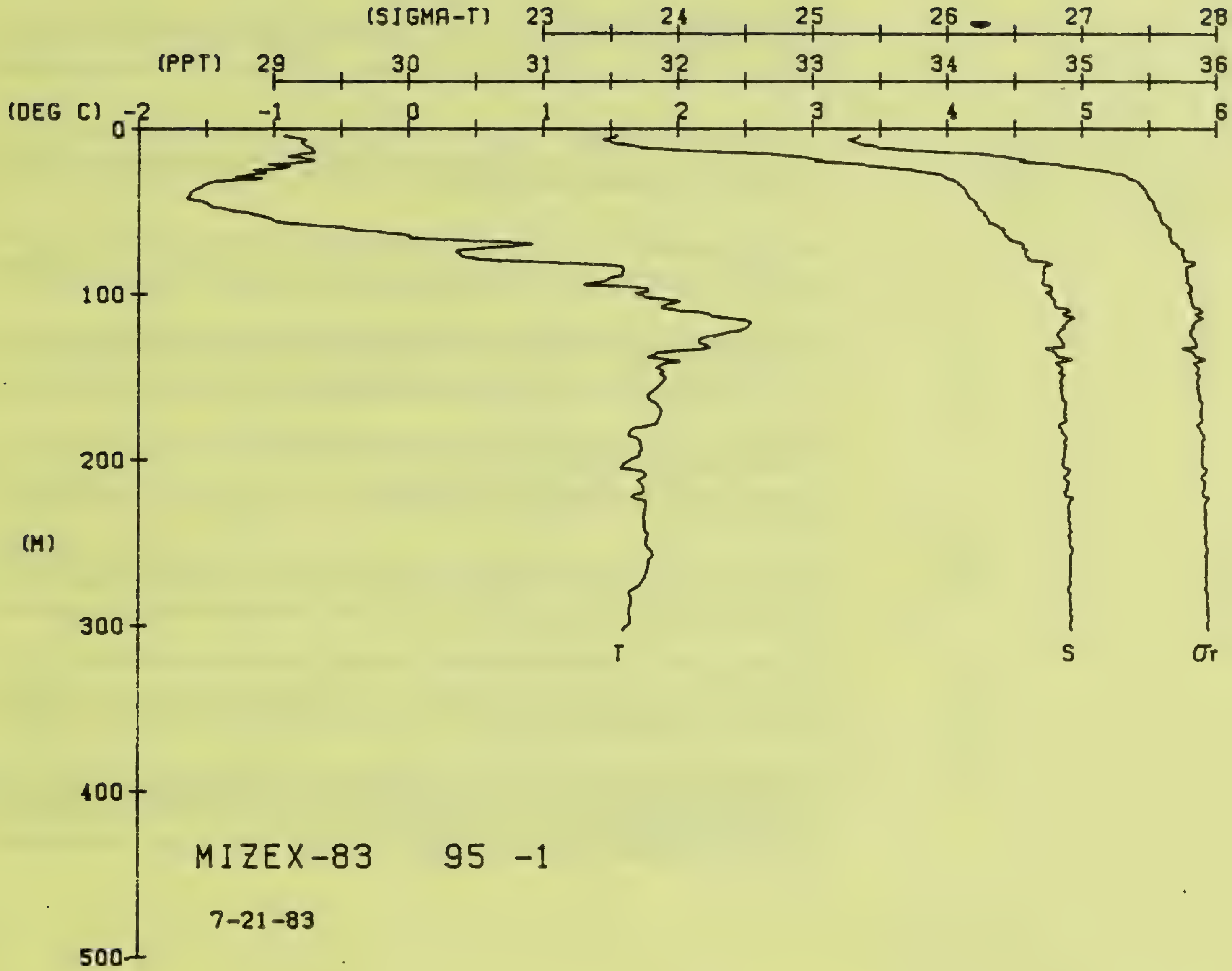

```
MIZEX-83 STATION  96(1) CTD  21/JUL/1983 1259 GMT  CODE = 1
LAT = 79.2617N LNG =   5.3350W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.54   -0.54   30.80   24.74   319.9   0.000   1441.0
   1.9   -0.54   -0.54   30.80   24.74   319.9   0.006   1441.0
   5.0   -0.48   -0.48   30.93   24.84   310.1   0.016   1441.5
  10.0   -0.53   -0.53   30.79   24.73   320.7   0.032   1441.2
  15.0   -0.91   -0.91   31.03   24.94   300.7   0.048   1439.8
  20.0   -0.88   -0.88   31.53   25.34   262.1   0.062   1440.7
  25.0   -1.18   -1.19   31.68   25.47   250.0   0.075   1439.6
  30.0   -1.35   -1.35   31.73   25.51   245.5   0.087   1439.0
  35.0   -1.37   -1.37   31.80   25.57   239.9   0.100   1439.0
  40.0   -1.53   -1.53   31.94   25.69   229.0   0.111   1438.5
  45.0   -1.61   -1.61   31.99   25.73   225.2   0.123   1438.3
  50.0   -1.69   -1.69   32.03   25.77   221.4   0.134   1438.1
  55.0   -1.61   -1.61   32.09   25.81   217.4   0.145   1438.6
  60.0   -1.59   -1.59   32.18   25.88   210.2   0.156   1439.0
  65.0   -1.55   -1.56   32.36   26.03   196.6   0.166   1439.4
  70.0   -1.61   -1.61   32.55   26.19   181.2   0.176   1439.6
  75.0   -1.50   -1.50   32.93   26.49   152.4   0.184   1440.7
  80.0   -1.32   -1.32   33.12   26.64   138.6   0.192   1441.9
  85.0   -1.51   -1.51   33.28   26.77   125.6   0.198   1441.3
  90.0   -1.55   -1.55   33.58   27.02   102.6   0.204   1441.6
  95.0   -1.61   -1.61   33.83   27.23    82.5   0.209   1441.8
 100.0   -1.63   -1.63   33.98   27.34    71.6   0.213   1441.9
 110.0   -1.70   -1.71   34.09   27.44    62.2   0.220   1441.9
 120.0   -1.66   -1.66   34.16   27.50    57.1   0.226   1442.4
 130.0   -1.61   -1.62   34.21   27.54    53.3   0.231   1442.9
 140.0   -1.15   -1.15   34.28   27.58    49.6   0.236   1445.3
 150.0   -0.64   -0.64   34.40   27.65    42.9   0.241   1448.0
 160.0   -0.47   -0.47   34.47   27.70    38.3   0.245   1449.1
 170.0   -0.27   -0.28   34.53   27.74    34.3   0.249   1450.2
 180.0   -0.13   -0.14   34.58   27.78    31.0   0.252   1451.1
 190.0    0.09    0.09   34.63   27.80    28.7   0.255   1452.4
 200.0    0.21    0.20   34.64   27.80    28.6   0.258   1453.1
 210.0    0.26    0.25   34.67   27.83    26.6   0.261   1453.5
 220.0    0.31    0.31   34.70   27.84    24.8   0.263   1454.0
 230.0    0.56    0.55   34.75   27.88    22.1   0.266   1455.3
 240.0    0.32    0.31   34.75   27.89    21.0   0.268   1454.4
 250.0    0.34    0.33   34.76   27.90    20.1   0.270   1454.7
 260.0    0.35    0.33   34.76   27.89    20.7   0.272   1454.8
 270.0    0.38    0.37   34.76   27.89    20.3   0.274   1455.2
 280.0    0.40    0.38   34.77   27.90    19.8   0.276   1455.4
 290.0    0.43    0.42   34.81   27.93    17.2   0.278   1455.8
 298.0    0.45    0.44   34.81   27.93    17.0   0.280   1456.0

                         DEPTH       TEMP.       SALIN
```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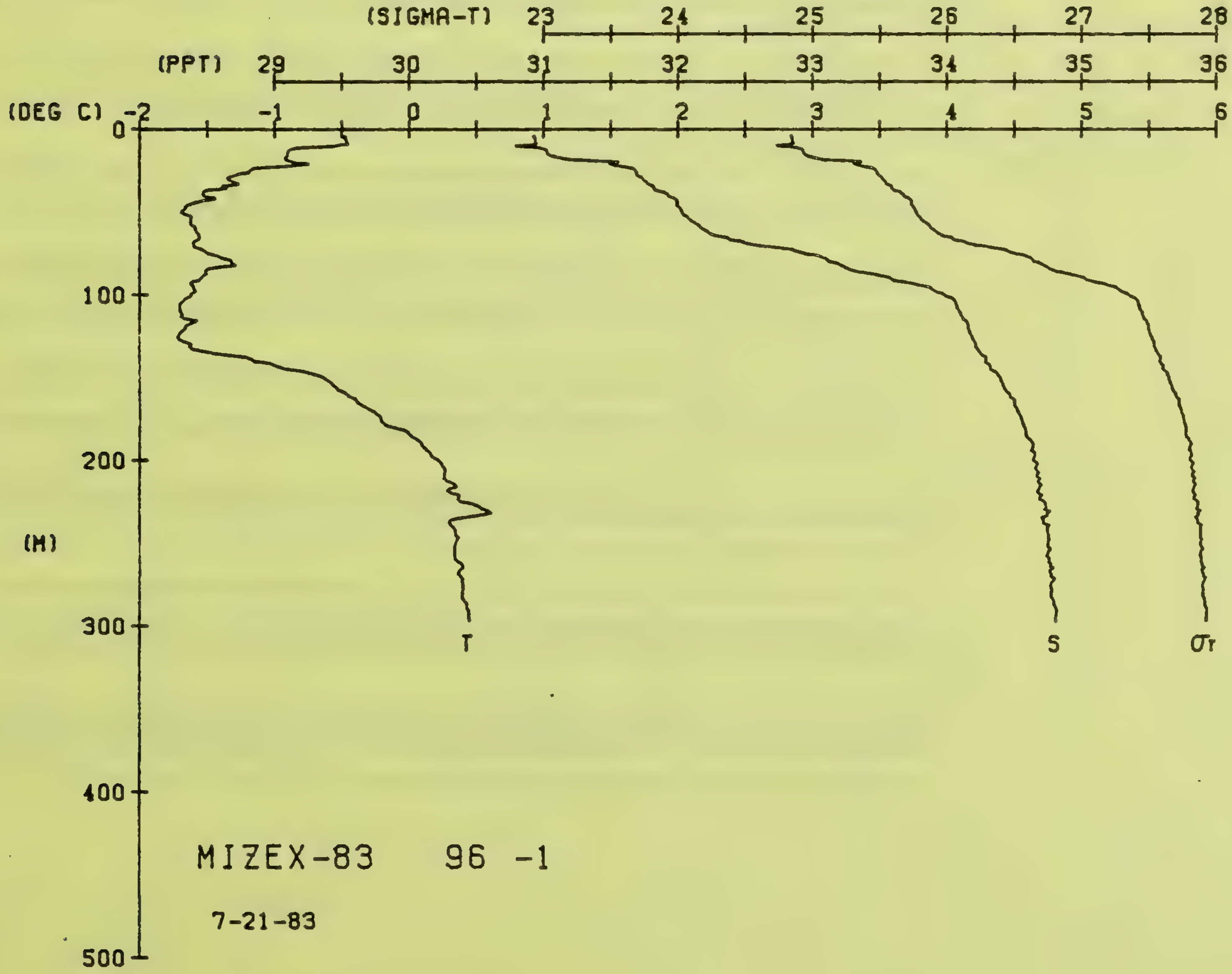
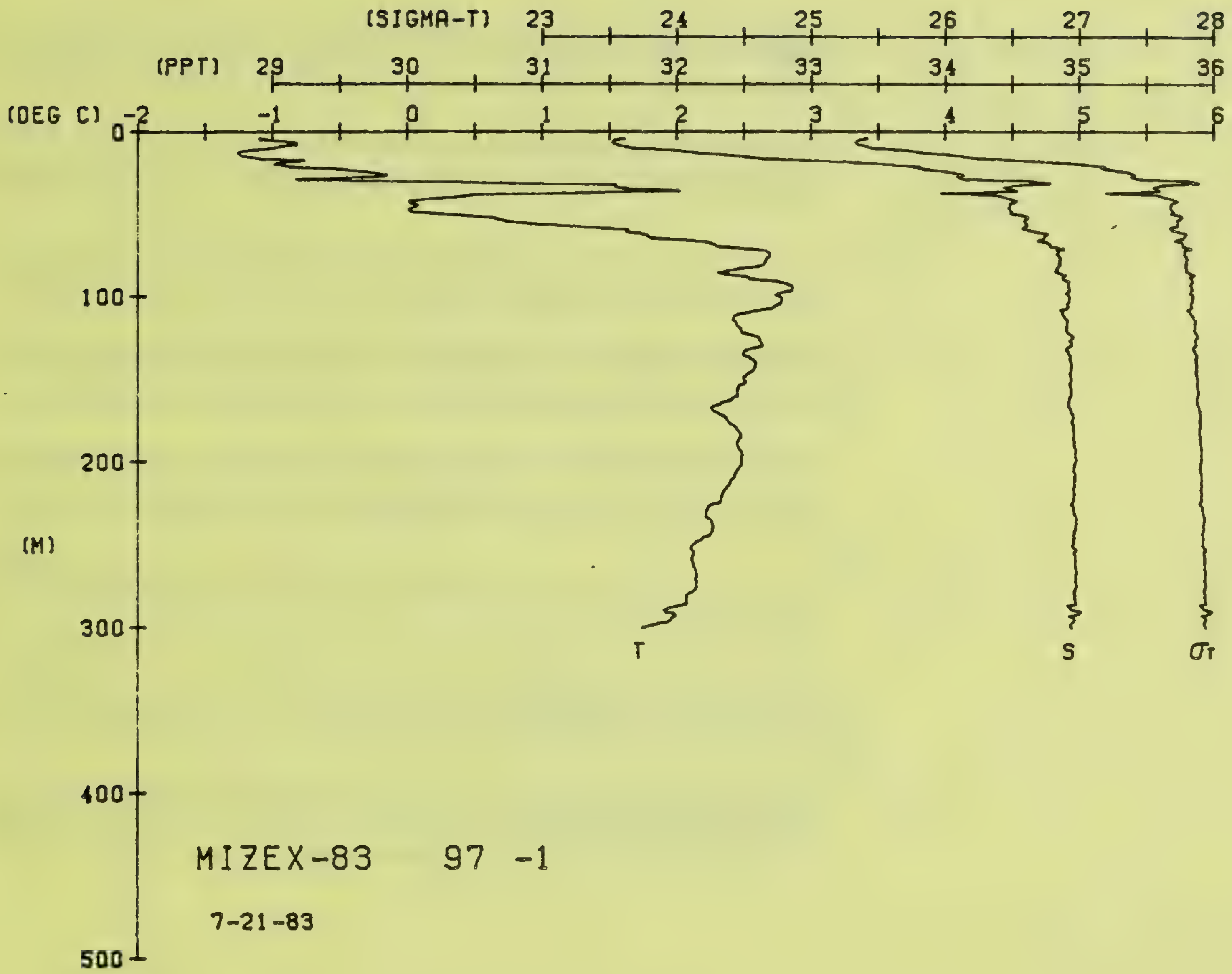
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 95 -1
7-21-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 96 -1
7-21-83

```
MIZEX-83 STATION  97(1) CTD  21/JUL/1983 1344 GMT  CODE = 1
LAT = 78.9700N LNG =   1.8733W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.07   -1.07   31.25   25.12   283.4   0.000   1439.1
   2.0   -1.07   -1.07   31.25   25.12   283.4   0.006   1439.2
   5.0   -1.02   -1.02   31.56   25.36   260.2   0.014   1439.8
  10.0   -1.00   -1.00   31.66   25.45   252.3   0.027   1440.2
  15.0   -1.23   -1.23   32.39   26.05   194.9   0.038   1440.2
  20.0   -1.01   -1.01   33.53   26.96   108.2   0.046   1442.9
  25.0   -0.33   -0.33   34.02   27.33    73.2   0.051   1446.9
  30.0   -0.64   -0.64   34.53   27.76    32.8   0.053   1446.2
  35.0    1.60    1.60   34.45   27.56    51.7   0.055   1456.3
  40.0    0.38    0.38   34.43   27.62    45.6   0.058   1450.9
  45.0    0.06    0.06   34.49   27.69    39.2   0.060   1449.6
  50.0    0.16    0.16   34.48   27.68    40.3   0.062   1450.1
  55.0    0.73    0.73   34.59   27.73    35.6   0.064   1453.0
  60.0    1.63    1.63   34.60   27.68    41.0   0.066   1457.1
  65.0    1.80    1.80   34.73   27.77    32.1   0.068   1458.1
  70.0    2.30    2.29   34.78   27.77    32.2   0.069   1460.4
  75.0    2.68    2.68   34.83   27.78    31.5   0.071   1462.2
  80.0    2.65    2.64   34.84   27.79    30.2   0.072   1462.2
  85.0    2.36    2.36   34.82   27.80    29.9   0.074   1461.0
  90.0    2.55    2.54   34.89   27.84    26.0   0.075   1462.0
  95.0    2.86    2.85   34.92   27.83    26.7   0.077   1463.5
 100.0    2.75    2.74   34.92   27.84    25.6   0.078   1463.1
 110.0    2.55    2.54   34.88   27.83    27.2   0.081   1462.3
 120.0    2.47    2.47   34.90   27.85    24.6   0.083   1462.2
 130.0    2.64    2.63   34.93   27.86    23.8   0.086   1463.1
 140.0    2.58    2.57   34.93   27.87    23.6   0.088   1463.0
 150.0    2.49    2.48   34.93   27.88    22.8   0.091   1462.8
 160.0    2.44    2.43   34.94   27.88    22.1   0.093   1462.8
 170.0    2.28    2.27   34.93   27.89    21.3   0.095   1462.2
 180.0    2.44    2.43   34.95   27.89    21.2   0.097   1463.1
 190.0    2.44    2.43   34.95   27.90    21.2   0.099   1463.3
 200.0    2.48    2.47   34.97   27.91    20.1   0.101   1463.6
 210.0    2.42    2.41   34.96   27.90    20.7   0.103   1463.5
 220.0    2.33    2.32   34.96   27.91    19.9   0.105   1463.3
 230.0    2.22    2.20   34.95   27.91    19.5   0.107   1462.9
 240.0    2.27    2.25   34.96   27.92    18.9   0.109   1463.4
 250.0    2.12    2.11   34.95   27.92    18.9   0.111   1462.9
 260.0    2.11    2.10   34.96   27.93    17.8   0.113   1463.0
 270.0    2.14    2.13   34.97   27.93    18.0   0.115   1463.3
 280.0    2.08    2.06   34.95   27.93    18.3   0.117   1463.2
 290.0    1.90    1.88   34.93   27.93    18.5   0.119   1462.5
 300.0    1.77    1.76   34.93   27.93    17.8   0.121   1462.1


                       DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION  98(1) CTD  21/JUL/1983 1441 GMT  CODE = 1
LAT = 78.9417N LNG =   1.3967W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.92   -0.92   31.69   25.47   250.0   0.000   1440.4
   2.0   -0.92   -0.92   31.69   25.47   249.9   0.005   1440.5
   5.0   -0.59   -0.59   31.77   25.52   245.1   0.013   1442.1
  10.0   -0.36   -0.36   32.14   25.81   217.7   0.024   1443.8
  15.0    1.66    1.66   33.71   26.97   108.1   0.033   1455.3
  20.0    2.90    2.90   34.25   27.29    77.2   0.037   1461.5
  25.0    3.08    3.08   34.52   27.49    58.5   0.041   1462.7
  30.0    2.16    2.15   35.22   28.13    -2.3   0.042   1459.7
  35.0    3.33    3.32   34.80   27.70    38.9   0.043   1464.3
  40.0    3.54    3.54   34.86   27.72    37.1   0.045   1465.4
  45.0    3.42    3.42   34.89   27.76    33.2   0.047   1465.0
  50.0    3.44    3.43   34.91   27.77    31.9   0.048   1465.2
  55.0    3.32    3.32   34.90   27.77    32.0   0.050   1464.8
  60.0    3.18    3.17   34.93   27.81    28.5   0.051   1464.3
  65.0    3.06    3.05   34.97   27.85    24.5   0.053   1463.9
  70.0    2.49    2.49   34.89   27.85    25.2   0.054   1461.4
  75.0    2.54    2.53   34.89   27.84    25.7   0.055   1461.7
  80.0    2.53    2.53   34.90   27.85    25.1   0.057   1461.8
  85.0    2.51    2.50   34.90   27.85    25.0   0.058   1461.7
  90.0    2.52    2.51   34.90   27.85    25.2   0.059   1461.9
  95.0    2.41    2.40   34.90   27.85    24.4   0.060   1461.5
 100.0    2.45    2.45   34.90   27.86    24.1   0.062   1461.8
 110.0    2.51    2.50   34.92   27.87    23.4   0.064   1462.2
 120.0    2.47    2.46   34.92   27.87    23.1   0.066   1462.2
 130.0    2.32    2.31   34.91   27.87    22.9   0.069   1461.7
 140.0    2.27    2.26   34.91   27.88    22.2   0.071   1461.6
 150.0    2.39    2.38   34.94   27.89    21.6   0.073   1462.4
 160.0    2.39    2.38   34.93   27.88    22.2   0.075   1462.5
 170.0    2.26    2.25   34.93   27.90    20.7   0.078   1462.1
 180.0    2.25    2.24   34.93   27.89    21.3   0.080   1462.3
 190.0    2.16    2.15   34.92   27.90    20.9   0.082   1462.0
 200.0    2.12    2.11   34.92   27.89    21.2   0.084   1462.0
 210.0    2.09    2.08   34.94   27.92    18.7   0.086   1462.0
 220.0    2.00    1.99   34.94   27.92    18.4   0.088   1461.8
 230.0    1.91    1.90   34.93   27.93    18.2   0.090   1461.6
 240.0    1.90    1.89   34.93   27.93    18.2   0.092   1461.7
 250.0    1.90    1.88   34.94   27.94    17.4   0.093   1461.9
 260.0    1.92    1.90   34.94   27.93    17.6   0.095   1462.1
 270.0    1.92    1.91   34.94   27.93    18.0   0.097   1462.3
 280.0    1.91    1.89   34.95   27.94    17.4   0.099   1462.4
 290.0    1.89    1.87   34.95   27.94    16.9   0.100   1462.5
 300.0    1.99    1.97   34.97   27.94    16.8   0.102   1463.1
 310.0    1.99    1.98   34.98   27.95    16.1   0.104   1463.3
 320.0    1.98    1.96   34.97   27.95    16.5   0.106   1463.4
 330.0    1.96    1.94   34.97   27.95    16.5   0.107   1463.5
 340.0    1.93    1.91   34.98   27.96    15.7   0.109   1463.5
 350.0    1.91    1.89   34.98   27.96    15.3   0.110   1463.6
 351.0    1.91    1.89   34.97   27.96    15.9   0.111   1463.6


                       DEPTH       TEMP.       SALIN
```



MIZEX-83 97 -1

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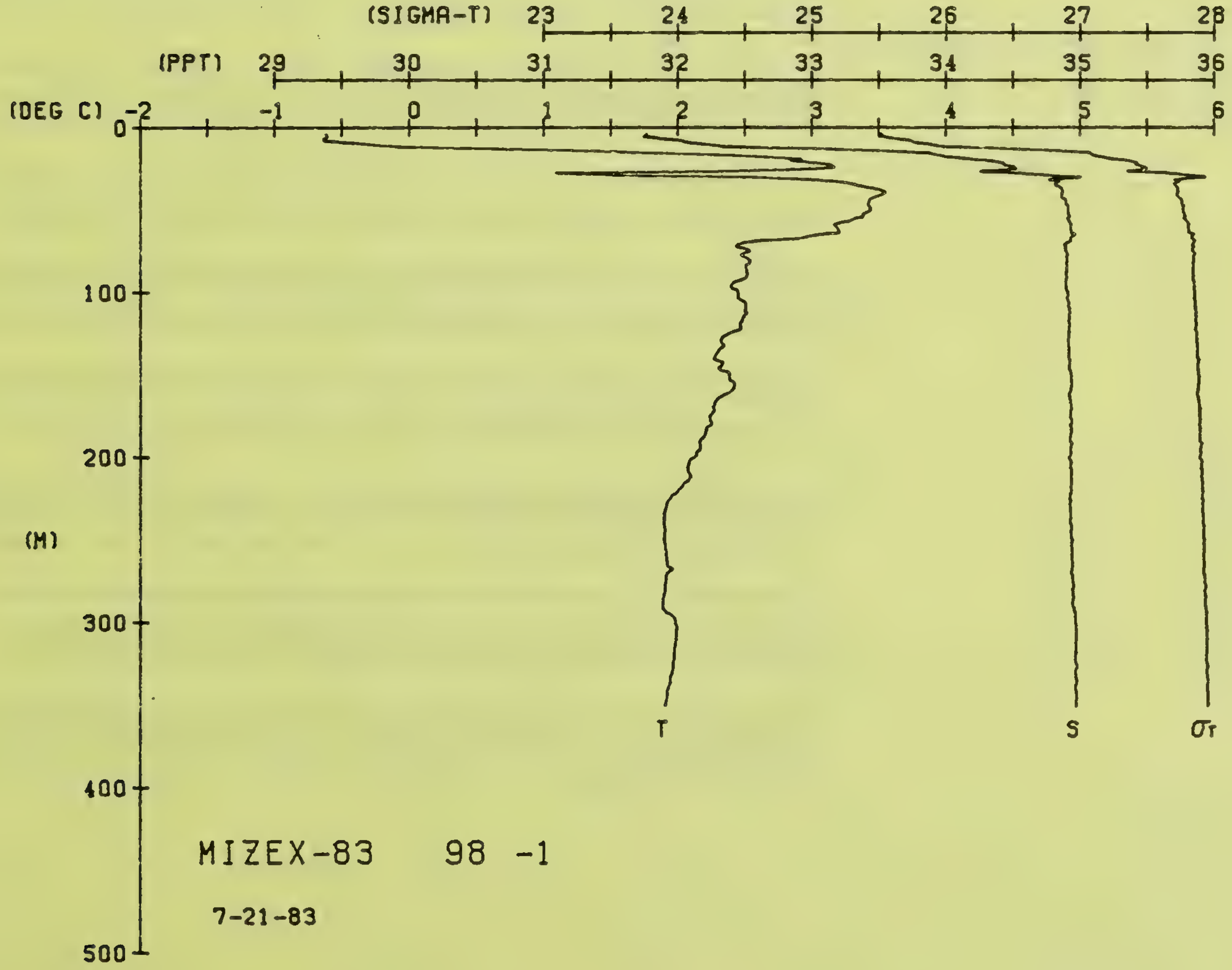
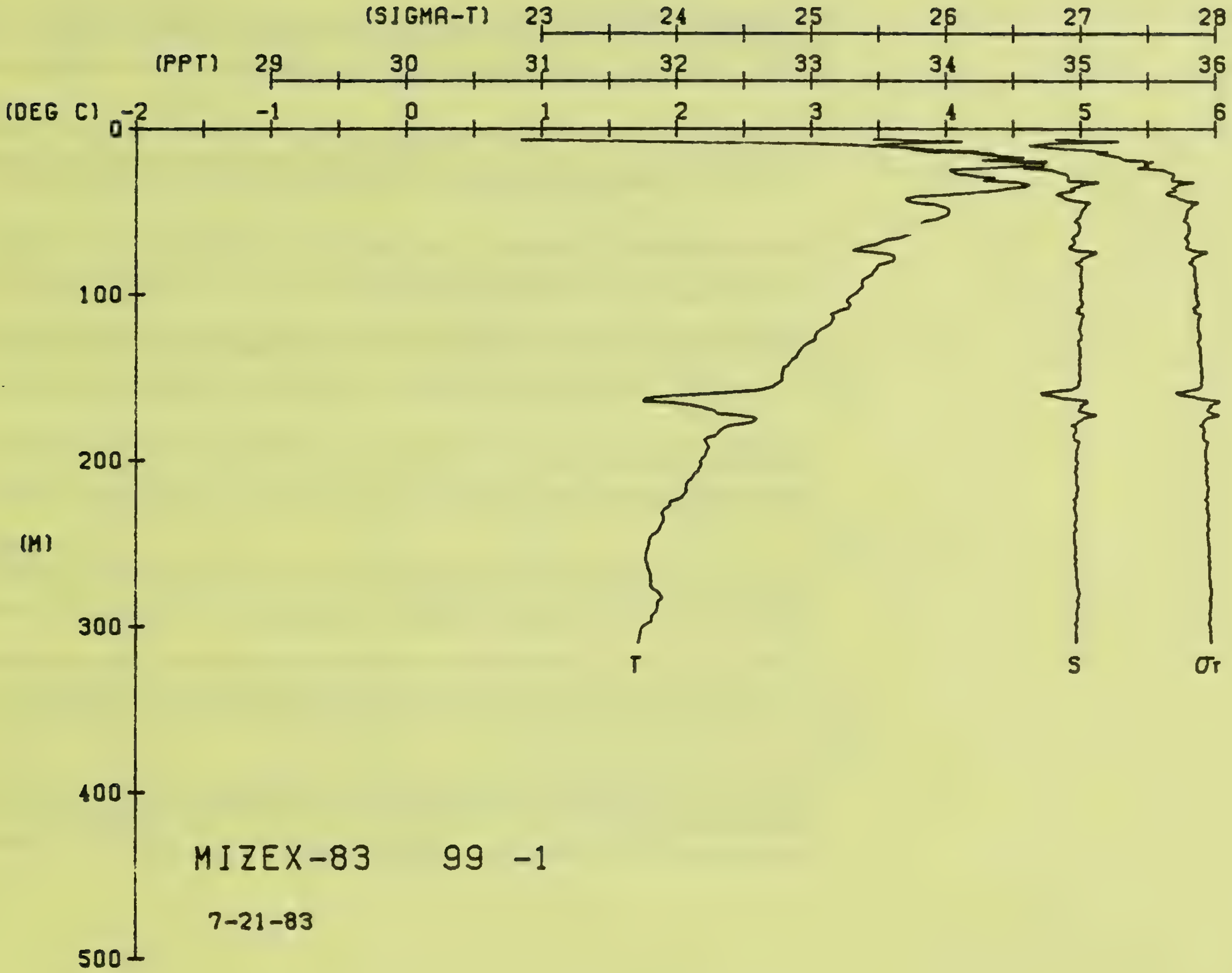


MIZEX-83 98 -1

7-21-83

```
MIZEX-83 STATION  99(1) CTD  21/JUL/1983 1529 GMT  CODE = 1
LAT = 78.9133N LNG =    0.9833W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.86    0.86   33.47   26.83   121.3   0.000   1451.1
   5.0    0.86    0.86   33.47   26.83   121.3   0.006   1451.2
   6.9    0.86    0.86   33.47   26.83   121.3   0.008   1451.2
  10.0    3.32    3.32   33.45   26.62   141.1   0.013   1462.1
  15.0    4.24    4.24   34.23   27.15    90.6   0.018   1467.1
  20.0    4.32    4.31   34.71   27.53    55.2   0.022   1468.1
  25.0    4.05    4.05   34.74   27.58    50.4   0.025   1467.1
  30.0    4.31    4.30   34.99   27.74    34.5   0.027   1468.6
  35.0    4.60    4.59   34.99   27.71    37.8   0.029   1469.9
  40.0    4.06    4.06   34.79   27.61    47.0   0.031   1467.5
  45.0    3.75    3.74   35.03   27.84    25.9   0.033   1466.6
  50.0    4.02    4.02   35.00   27.79    30.7   0.034   1467.8
  55.0    3.93    3.93   34.96   27.77    32.8   0.036   1467.4
  60.0    3.76    3.76   34.99   27.81    29.0   0.037   1466.8
  65.0    3.69    3.69   34.95   27.78    31.7   0.039   1466.6
  70.0    3.48    3.48   34.94   27.79    30.3   0.040   1465.7
  75.0    3.45    3.45   35.11   27.93    17.2   0.042   1465.9
  80.0    3.60    3.60   35.00   27.83    26.9   0.043   1466.5
  85.0    3.48    3.47   35.00   27.84    26.0   0.044   1466.0
  90.0    3.41    3.41   35.00   27.85    25.3   0.045   1465.9
  95.0    3.37    3.36   35.01   27.86    24.5   0.047   1465.8
 100.0    3.32    3.31   34.99   27.85    25.5   0.048   1465.6
 110.0    3.22    3.21   34.99   27.85    24.8   0.050   1465.3
 120.0    3.10    3.10   34.99   27.86    23.9   0.053   1465.0
 130.0    2.97    2.96   34.98   27.87    23.1   0.055   1464.6
 140.0    2.85    2.84   34.98   27.88    22.2   0.058   1464.3
 150.0    2.78    2.77   35.00   27.90    20.4   0.060   1464.1
 160.0    2.29    2.28   34.69   27.70    39.3   0.063   1461.7
 170.0    2.25    2.24   34.99   27.94    16.4   0.066   1462.2
 180.0    2.36    2.35   34.96   27.91    19.7   0.067   1462.8
 190.0    2.22    2.21   34.98   27.93    17.3   0.069   1462.3
 200.0    2.18    2.17   34.95   27.92    18.8   0.071   1462.3
 210.0    2.11    2.10   34.97   27.94    17.2   0.073   1462.2
 220.0    2.06    2.05   34.96   27.93    17.6   0.075   1462.1
 230.0    1.90    1.89   34.95   27.94    17.1   0.076   1461.6
 240.0    1.88    1.86   34.95   27.94    16.6   0.078   1461.6
 250.0    1.79    1.78   34.95   27.95    16.1   0.080   1461.4
 260.0    1.77    1.75   34.96   27.96    15.3   0.081   1461.5
 270.0    1.81    1.79   34.96   27.96    15.5   0.083   1461.8
 280.0    1.87    1.85   34.99   27.97    14.0   0.084   1462.3
 290.0    1.85    1.84   34.97   27.96    15.4   0.086   1462.4
 300.0    1.75    1.73   34.97   27.97    14.6   0.087   1462.1
 309.9    1.71    1.70   34.97   27.97    14.6   0.089   1462.1

                       DEPTH        TEMP.        SALIN
```

```
MIZEX-83 STATION 100(1) CTD  22/JUL/1983  747 GMT  CODE = 1
LAT = 79.2483N LNG =    0.5233W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.34   -0.34   31.47   25.27   269.0   0.000   1442.8
   2.5   -0.34   -0.34   31.47   25.27   269.0   0.007   1442.9
   5.0   -0.44   -0.44   31.51   25.31   265.2   0.014   1442.5
  10.0   -0.69   -0.69   31.74   25.50   247.0   0.027   1441.7
  15.0   -1.01   -1.02   32.28   25.95   204.5   0.038   1441.0
  20.0   -1.54   -1.54   33.46   26.93   111.7   0.046   1440.3
  25.0   -1.57   -1.57   33.74   27.15    90.3   0.051   1440.7
  30.0   -1.61   -1.61   33.88   27.26    79.8   0.055   1440.7
  35.0   -1.62   -1.62   33.96   27.33    73.0   0.059   1440.9
  40.0   -1.61   -1.61   34.02   27.38    68.9   0.063   1441.1
  45.0   -1.64   -1.64   34.07   27.42    64.7   0.066   1441.1
  50.0   -1.63   -1.64   34.11   27.46    61.2   0.069   1441.3
  55.0   -1.63   -1.63   34.14   27.48    58.9   0.072   1441.4
  60.0   -1.60   -1.60   34.16   27.50    57.4   0.075   1441.7
  65.0   -1.57   -1.57   34.18   27.50    56.6   0.078   1441.9
  70.0   -1.48   -1.48   34.23   27.54    52.8   0.081   1442.5
  75.0   -1.30   -1.30   34.26   27.56    51.2   0.084   1443.5
  80.0   -1.11   -1.11   34.28   27.58    49.9   0.086   1444.5
  85.0   -0.94   -0.94   34.33   27.61    46.6   0.089   1445.4
  90.0   -0.79   -0.80   34.36   27.62    45.4   0.091   1446.2
  95.0   -0.59   -0.59   34.37   27.63    45.0   0.093   1447.3
 100.0   -0.38   -0.38   34.43   27.66    41.9   0.095   1448.4
 110.0    0.37    0.37   34.58   27.74    34.2   0.099   1452.2
 120.0    0.62    0.62   34.62   27.76    32.7   0.103   1453.6
 130.0    1.04    1.04   34.72   27.82    27.7   0.106   1455.8
 140.0    1.29    1.28   34.73   27.81    28.4   0.109   1457.1
 150.0    1.55    1.55   34.79   27.83    26.4   0.111   1458.5
 160.0    1.73    1.72   34.80   27.83    26.6   0.114   1459.4
 170.0    1.96    1.96   34.85   27.86    24.5   0.117   1460.7
 180.0    2.17    2.16   34.88   27.86    24.3   0.119   1461.8
 190.0    2.42    2.40   34.93   27.88    22.6   0.121   1463.1
 200.0    2.44    2.43   34.90   27.85    25.2   0.124   1463.4
 210.0    2.08    2.07   34.88   27.87    23.2   0.126   1461.9
 220.0    2.48    2.47   34.95   27.89    21.7   0.129   1463.9
 230.0    2.42    2.41   34.92   27.87    23.6   0.131   1463.8
 240.0    2.29    2.28   34.92   27.89    22.3   0.133   1463.4
 250.0    2.03    2.02   34.91   27.90    21.2   0.135   1462.4
 260.0    1.95    1.94   34.90   27.89    21.4   0.137   1462.2
 270.0    2.03    2.01   34.93   27.91    19.5   0.140   1462.7
 280.0    1.94    1.93   34.91   27.91    20.2   0.142   1462.5
 290.0    1.86    1.84   34.92   27.92    19.4   0.144   1462.3
 300.0    1.90    1.88   34.93   27.92    18.9   0.145   1462.7
 306.4    1.89    1.87   34.92   27.92    19.3   0.147   1462.7

                       DEPTH        TEMP.        SALIN
```



MIZEX-83 99 -1

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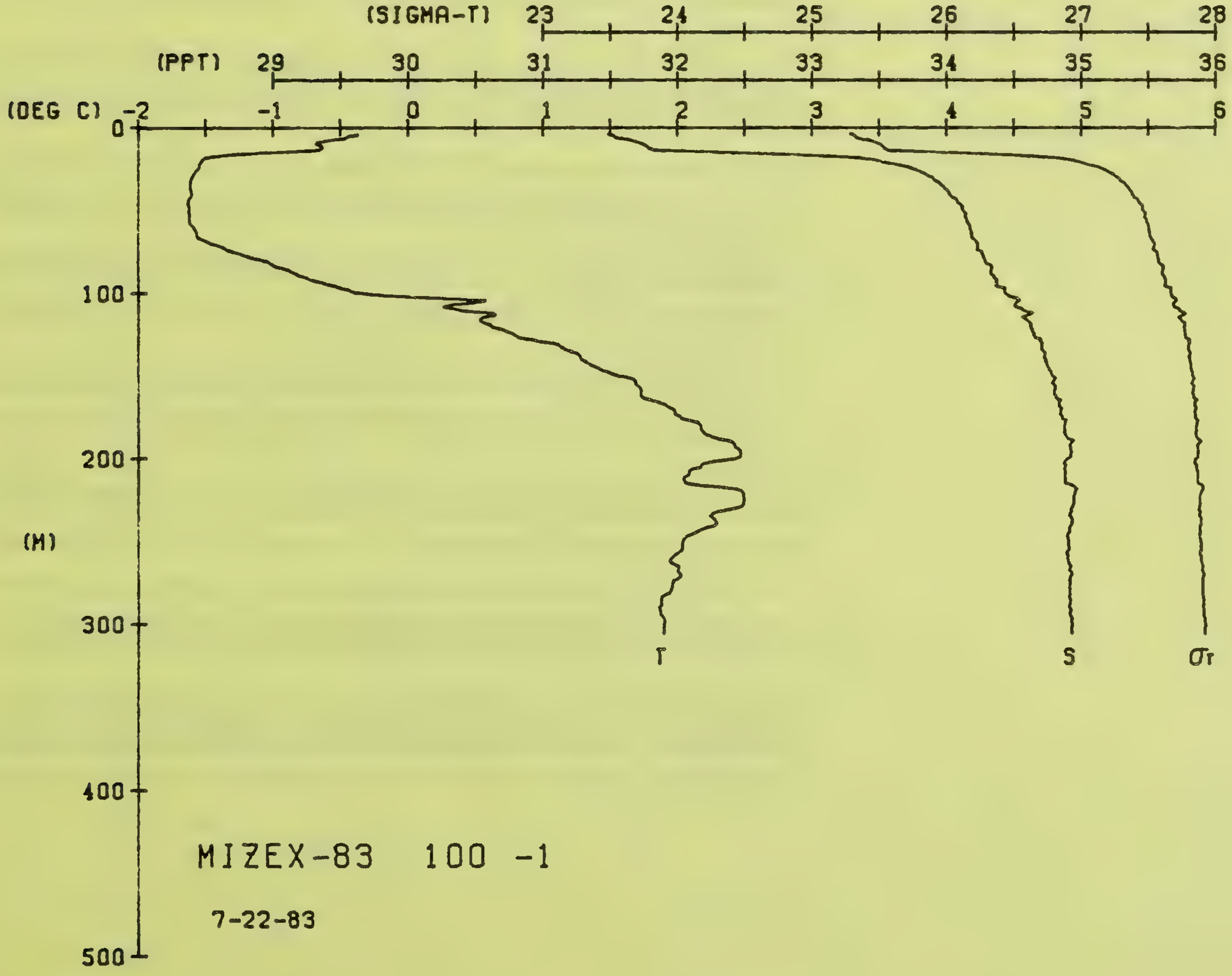

MIZEX-83 100 -1

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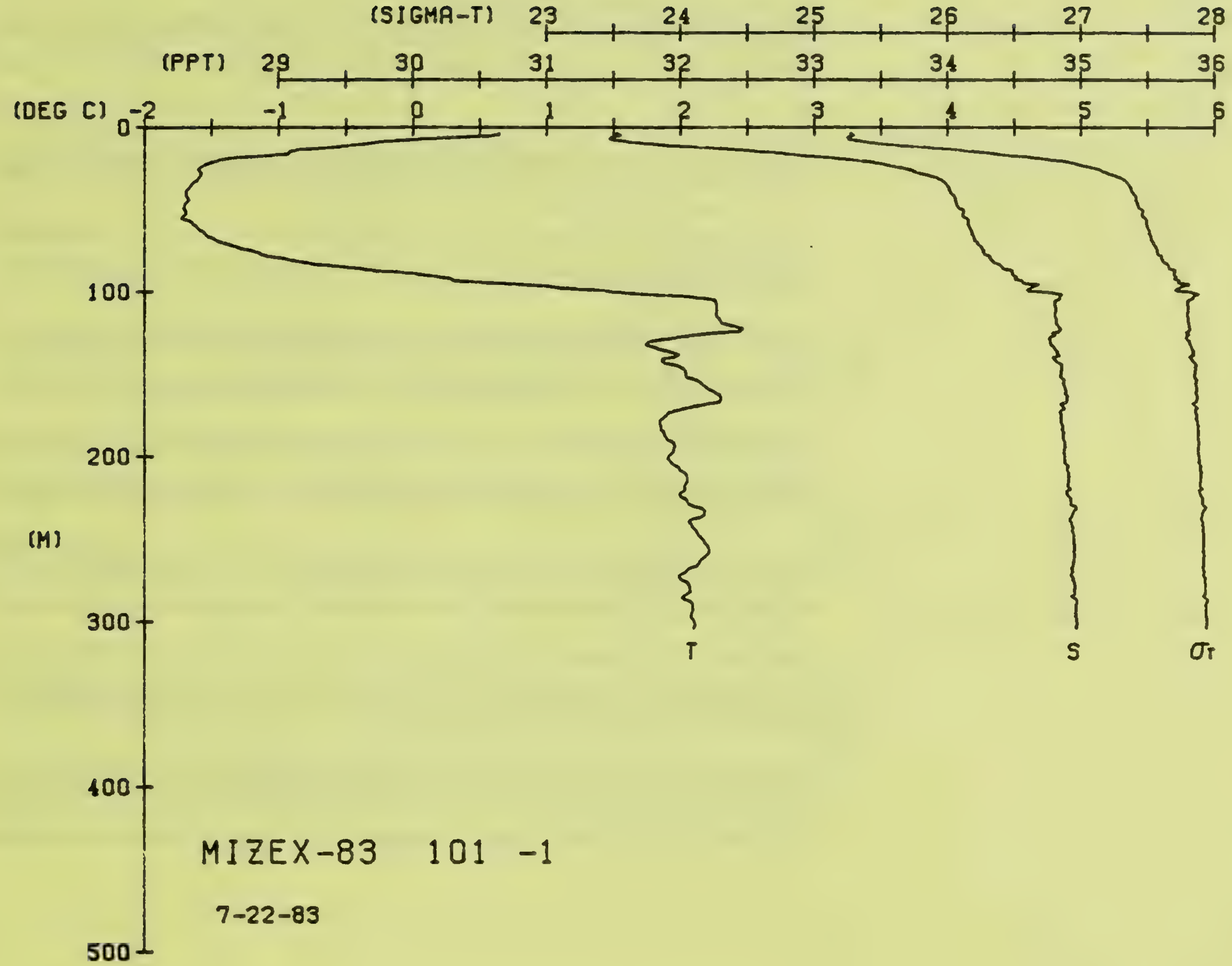
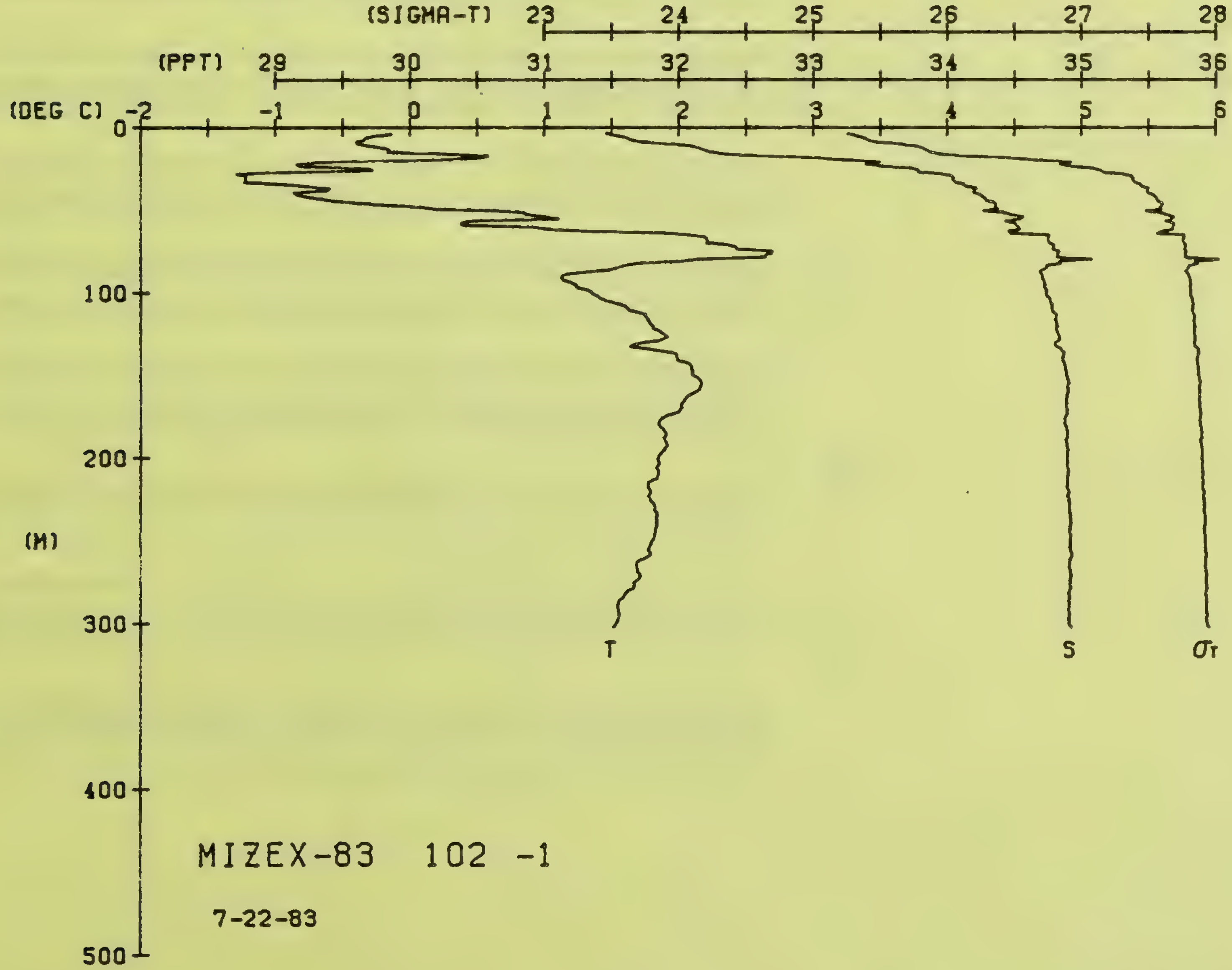
```
MIZEX-83 STATION 101(1) CTD  22/JUL/1983  823 GMT  CODE = 1
LAT = 79. 1617N LNG =    0. 8600W LTER =    300.  LGER =    300.
AIR TEMP =    0. 0 BAROM =     0. 0 WIND =    0. 0 SPEED =    0. 0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0   0. 56   0. 56  31. 50  25. 25  270. 6  0. 000  1447. 0
   1. 9   0. 56   0. 56  31. 50  25. 25  270. 5  0. 005  1447. 0
   5. 0   0. 64   0. 64  31. 52  25. 27  269. 3  0. 014  1447. 5
  10. 0  -0. 34  -0. 34  31. 71  25. 46  250. 7  0. 027  1443. 3
  15. 0  -0. 93  -0. 93  32. 55  26. 16  184. 2  0. 038  1441. 8
  20. 0  -1. 43  -1. 44  33. 24  26. 74  129. 6  0. 046  1440. 5
  25. 0  -1. 60  -1. 60  33. 65  27. 07   97. 5  0. 052  1440. 4
  30. 0  -1. 58  -1. 59  33. 86  27. 25   80. 9  0. 056  1440. 8
  35. 0  -1. 65  -1. 65  33. 99  27. 36   70. 6  0. 060  1440. 8
  40. 0  -1. 69  -1. 69  34. 03  27. 39   67. 6  0. 063  1440. 7
  45. 0  -1. 67  -1. 67  34. 05  27. 40   66. 3  0. 067  1440. 9
  50. 0  -1. 71  -1. 71  34. 12  27. 46   60. 9  0. 070  1440. 9
  55. 0  -1. 72  -1. 72  34. 13  27. 47   59. 4  0. 073  1441. 0
  60. 0  -1. 62  -1. 63  34. 16  27. 50   57. 4  0. 076  1441. 6
  65. 0  -1. 55  -1. 55  34. 18  27. 51   56. 2  0. 079  1442. 0
  70. 0  -1. 43  -1. 43  34. 22  27. 53   54. 0  0. 082  1442. 7
  75. 0  -1. 23  -1. 23  34. 27  27. 57   50. 5  0. 084  1443. 8
  80. 0  -0. 98  -0. 98  34. 32  27. 60   47. 5  0. 087  1445. 2
  85. 0  -0. 57  -0. 58  34. 41  27. 66   42. 3  0. 089  1447. 2
  90. 0   0. 06   0. 06  34. 49  27. 69   39. 2  0. 091  1450. 4
  95. 0   0. 56   0. 55  34. 59  27. 75   34. 1  0. 093  1452. 8
 100. 0   1. 40   1. 40  34. 62  27. 71   37. 9  0. 095  1456. 8
 110. 0   2. 27   2. 26  34. 80  27. 79   30. 3  0. 098  1461. 0
 120. 0   2. 33   2. 32  34. 83  27. 80   29. 2  0. 101  1461. 5
 130. 0   1. 82   1. 81  34. 77  27. 80   29. 6  0. 104  1459. 3
 140. 0   1. 95   1. 95  34. 79  27. 80   29. 3  0. 107  1460. 1
 150. 0   2. 04   2. 03  34. 85  27. 85   25. 2  0. 110  1460. 7
 160. 0   2. 23   2. 22  34. 89  27. 86   24. 0  0. 112  1461. 8
 170. 0   2. 10   2. 09  34. 87  27. 86   24. 4  0. 115  1461. 3
 180. 0   1. 84   1. 83  34. 85  27. 87   23. 7  0. 117  1460. 3
 190. 0   1. 90   1. 89  34. 86  27. 87   23. 1  0. 120  1460. 8
 200. 0   1. 91   1. 90  34. 87  27. 88   22. 7  0. 122  1461. 0
 210. 0   2. 02   2. 01  34. 91  27. 90   21. 0  0. 124  1461. 7
 220. 0   2. 04   2. 03  34. 92  27. 90   20. 4  0. 126  1462. 0
 230. 0   2. 07   2. 06  34. 93  27. 91   20. 1  0. 128  1462. 3
 240. 0   2. 06   2. 05  34. 93  27. 91   20. 1  0. 130  1462. 4
 250. 0   2. 16   2. 15  34. 95  27. 92   19. 3  0. 132  1463. 0
 260. 0   2. 20   2. 19  34. 95  27. 91   19. 7  0. 134  1463. 4
 270. 0   2. 04   2. 02  34. 94  27. 92   19. 2  0. 136  1462. 8
 280. 0   2. 07   2. 06  34. 95  27. 93   18. 6  0. 138  1463. 1
 290. 0   2. 09   2. 08  34. 96  27. 93   18. 1  0. 140  1463. 4
 300. 0   2. 11   2. 09  34. 97  27. 94   17. 6  0. 142  1463. 6

                         DEPTH        TEMP.        SALIN
```

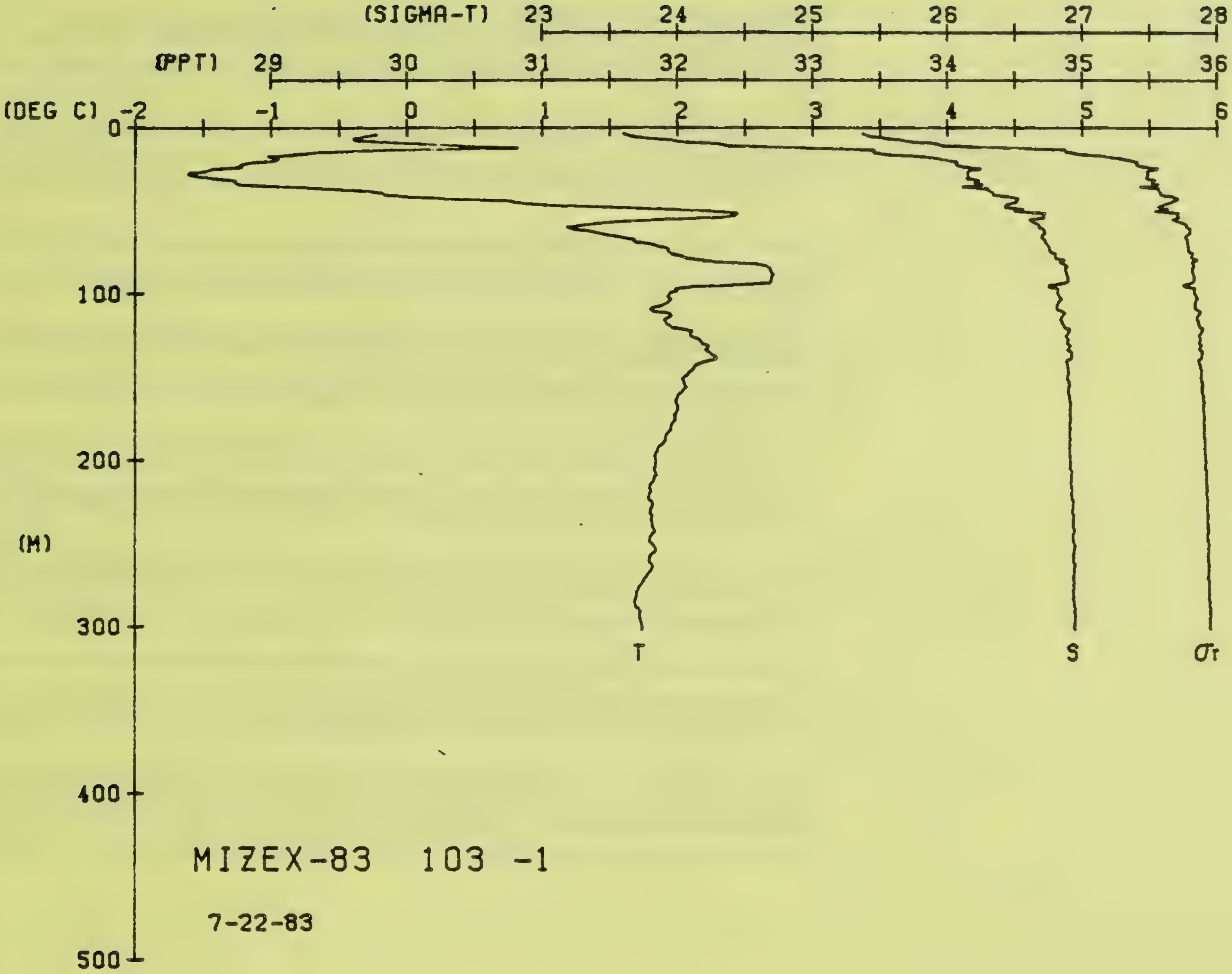
```
MIZEX-83 STATION 102(1) CTD  22/JUL/1983  856 GMT  CODE = 1
LAT = 79. 0717N LNG =    1. 0550W LTER =    300.  LGER =    300.
AIR TEMP =    0. 0 BAROM =     0. 0 WIND =    0. 0 SPEED =    0. 0

DEPTH     TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0. 0   0. 06   0. 06  31. 36  25. 16  279. 2  0. 000  1444. 5
   1. 9   0. 06   0. 06  31. 36  25. 16  279. 1  0. 006  1444. 6
   5. 0  -0. 23  -0. 23  31. 49  25. 28  267. 7  0. 014  1443. 4
  10. 0  -0. 39  -0. 39  31. 88  25. 60  237. 5  0. 027  1443. 3
  15. 0  -0. 18  -0. 18  32. 23  25. 87  211. 5  0. 038  1444. 9
  20. 0   0. 16   0. 16  33. 21  26. 65  138. 0  0. 047  1447. 9
  25. 0  -0. 30  -0. 31  33. 73  27. 09   96. 0  0. 053  1446. 5
  30. 0  -1. 22  -1. 22  34. 04  27. 38   68. 6  0. 057  1442. 8
  35. 0  -0. 91  -0. 91  34. 13  27. 44   62. 8  0. 060  1444. 5
  40. 0  -0. 84  -0. 85  34. 20  27. 50   57. 3  0. 063  1444. 9
  45. 0  -0. 54  -0. 54  34. 31  27. 57   50. 3  0. 066  1446. 6
  50. 0   0. 20   0. 20  34. 39  27. 60   47. 9  0. 069  1450. 2
  55. 0   1. 13   1. 12  34. 55  27. 67   41. 2  0. 071  1454. 7
  60. 0   0. 79   0. 79  34. 48  27. 64   43. 9  0. 073  1453. 2
  65. 0   2. 07   2. 07  34. 78  27. 79   30. 6  0. 075  1459. 3
  70. 0   2. 20   2. 20  34. 75  27. 75   33. 9  0. 076  1459. 9
  75. 0   2. 68   2. 67  34. 83  27. 78   31. 4  0. 078  1462. 2
  80. 0   2. 16   2. 16  35. 08  28. 02    8. 7  0. 079  1460. 4
  85. 0   1. 55   1. 54  34. 74  27. 79   29. 8  0. 080  1457. 3
  90. 0   1. 13   1. 13  34. 71  27. 80   29. 0  0. 082  1455. 5
  95. 0   1. 23   1. 22  34. 73  27. 81   27. 9  0. 083  1456. 0
 100. 0   1. 36   1. 35  34. 74  27. 81   28. 2  0. 084  1456. 7
 110. 0   1. 63   1. 62  34. 78  27. 83   26. 8  0. 087  1458. 1
 120. 0   1. 81   1. 80  34. 82  27. 84   25. 6  0. 090  1459. 1
 130. 0   1. 76   1. 75  34. 82  27. 85   25. 2  0. 092  1459. 1
 140. 0   1. 99   1. 98  34. 86  27. 86   23. 7  0. 095  1460. 4
 150. 0   2. 10   2. 09  34. 89  27. 87   22. 8  0. 097  1461. 0
 160. 0   2. 13   2. 12  34. 90  27. 88   22. 0  0. 100  1461. 3
 170. 0   2. 02   2. 01  34. 90  27. 89   21. 6  0. 102  1461. 0
 180. 0   1. 85   1. 84  34. 89  27. 89   21. 1  0. 104  1460. 4
 190. 0   1. 90   1. 89  34. 89  27. 89   21. 2  0. 106  1460. 8
 200. 0   1. 84   1. 83  34. 89  27. 90   20. 4  0. 108  1460. 7
 210. 0   1. 84   1. 83  34. 91  27. 91   19. 5  0. 110  1460. 9
 220. 0   1. 79   1. 78  34. 91  27. 92   18. 7  0. 112  1460. 9
 230. 0   1. 82   1. 81  34. 92  27. 92   18. 6  0. 114  1461. 2
 240. 0   1. 84   1. 82  34. 93  27. 93   18. 2  0. 116  1461. 4
 250. 0   1. 80   1. 79  34. 93  27. 93   18. 0  0. 118  1461. 4
 260. 0   1. 78   1. 76  34. 93  27. 93   17. 7  0. 120  1461. 5
 270. 0   1. 71   1. 69  34. 93  27. 94   17. 4  0. 121  1461. 3
 280. 0   1. 62   1. 60  34. 91  27. 93   18. 0  0. 123  1461. 1
 290. 0   1. 55   1. 53  34. 91  27. 93   17. 4  0. 125  1460. 9
 300. 0   1. 53   1. 52  34. 92  27. 94   16. 6  0. 127  1461. 0

                         DEPTH        TEMP.        SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 101 -1
7-22-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 102 -1
7-22-83

```
MIZEX-83 STATION 103(1) CTD  22/JUL/1983  929 GMT   CODE = 1
LAT = 78.9750N LNG =     1.3533W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =     0.0 SPEED =    0.0

 DEPTH    TEMP    PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.16   -0.16   31.55   25.33   263.8   0.000   1443.8
   1.9   -0.16   -0.16   31.55   25.33   263.8   0.005   1443.8
   5.0   -0.29   -0.29   31.62   25.39   257.4   0.013   1443.3
  10.0    0.07    0.07   32.25   25.89   210.5   0.025   1445.9
  15.0   -0.66   -0.66   33.45   26.88   115.9   0.033   1444.3
  20.0   -0.98   -0.98   34.00   27.34    72.1   0.038   1443.7
  25.0   -1.44   -1.44   34.25   27.56    51.6   0.041   1442.0
  30.0   -1.52   -1.52   34.14   27.48    59.4   0.044   1441.5
  35.0   -1.13   -1.13   34.22   27.53    54.4   0.047   1443.6
  40.0   -0.18   -0.18   34.35   27.59    48.4   0.050   1448.2
  45.0    0.80    0.80   34.48   27.64    44.5   0.052   1452.9
  50.0    2.08    2.07   34.45   27.52    55.3   0.054   1458.7
  55.0    2.21    2.21   34.71   27.72    37.0   0.057   1459.7
  60.0    1.19    1.19   34.68   27.78    31.2   0.058   1455.2
  65.0    1.49    1.49   34.70   27.77    31.7   0.060   1456.7
  70.0    1.76    1.76   34.74   27.78    30.9   0.062   1458.0
  75.0    1.94    1.94   34.76   27.78    31.1   0.063   1458.9
  80.0    2.16    2.16   34.86   27.85    24.9   0.065   1460.1
  85.0    2.69    2.68   34.87   27.81    28.8   0.066   1462.5
  90.0    2.70    2.69   34.89   27.83    27.0   0.067   1462.6
  95.0    2.33    2.32   34.76   27.75    34.2   0.069   1460.9
 100.0    1.93    1.92   34.82   27.84    26.1   0.070   1459.4
 110.0    1.79    1.79   34.82   27.84    25.3   0.073   1458.9
 120.0    1.95    1.95   34.86   27.86    23.6   0.075   1459.8
 130.0    2.18    2.17   34.89   27.87    23.5   0.078   1461.0
 140.0    2.25    2.24   34.88   27.86    24.4   0.080   1461.5
 150.0    2.05    2.04   34.88   27.87    22.8   0.083   1460.8
 160.0    2.02    2.01   34.90   27.89    21.4   0.085   1460.8
 170.0    2.00    1.99   34.91   27.90    20.6   0.087   1460.9
 180.0    1.95    1.94   34.90   27.90    20.5   0.089   1460.9
 190.0    1.89    1.88   34.91   27.91    20.0   0.091   1460.8
 200.0    1.84    1.82   34.91   27.91    19.5   0.093   1460.7
 210.0    1.83    1.82   34.91   27.92    19.0   0.095   1460.9
 220.0    1.79    1.78   34.91   27.92    19.0   0.097   1460.9
 230.0    1.80    1.79   34.92   27.92    18.7   0.099   1461.1
 240.0    1.82    1.81   34.93   27.93    18.2   0.101   1461.3
 250.0    1.81    1.80   34.94   27.93    17.4   0.103   1461.5
 260.0    1.79    1.78   34.93   27.93    17.5   0.104   1461.6
 270.0    1.77    1.75   34.92   27.93    18.0   0.106   1461.6
 280.0    1.69    1.68   34.93   27.94    17.2   0.108   1461.4
 290.0    1.72    1.71   34.95   27.95    16.0   0.110   1461.8
 300.0    1.74    1.72   34.94   27.95    16.5   0.111   1462.0
 302.4    1.74    1.72   34.94   27.94    16.8   0.112   1462.0

                        DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION 104(1) CTD  22/JUL/1983 1000 GMT   CODE = 1
LAT = 78.8783N LNG =     1.4850W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =     0.0 SPEED =    0.0

DEPTH    TEMP    PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0    5.34    5.34   34.84   27.51    56.6   0.000   1472.2
  1.9    5.34    5.34   34.84   27.51    56.6   0.001   1472.2
  5.0    5.33    5.33   34.91   27.57    50.9   0.003   1472.3
 10.0    4.07    4.07   34.83   27.64    43.9   0.005   1467.1
 15.0    4.31    4.31   34.98   27.74    35.2   0.007   1468.4
 20.0    4.39    4.39   35.02   27.76    33.1   0.009   1468.9
 25.0    3.65    3.64   34.94   27.78    31.5   0.011   1465.7
 30.0    3.86    3.85   34.97   27.78    31.3   0.012   1466.7
 35.0    3.92    3.92   35.00   27.80    29.6   0.014   1467.1
 40.0    3.92    3.91   35.00   27.80    29.5   0.015   1467.2
 45.0    3.86    3.85   35.02   27.81    28.1   0.017   1467.0
 50.0    3.77    3.77   35.01   27.82    27.6   0.018   1466.8
 55.0    3.76    3.76   35.02   27.83    27.1   0.019   1466.8
 60.0    3.61    3.61   35.00   27.83    27.1   0.021   1466.2
 65.0    3.50    3.49   34.98   27.82    27.3   0.022   1465.8
 70.0    3.42    3.42   35.01   27.85    24.6   0.023   1465.6
 75.0    3.40    3.40   35.01   27.85    24.7   0.025   1465.6
 80.0    3.24    3.24   35.00   27.86    23.7   0.026   1465.0
 85.0    3.19    3.18   35.00   27.86    23.6   0.027   1464.8
 90.0    3.17    3.17   35.01   27.87    22.7   0.028   1464.9
 95.0    3.15    3.15   35.00   27.87    22.9   0.029   1464.8
100.0    3.20    3.20   35.02   27.89    21.7   0.031   1465.2
110.0    3.15    3.15   35.02   27.89    21.5   0.033   1465.1
120.0    3.05    3.05   35.02   27.90    20.8   0.035   1464.8
130.0    2.88    2.87   35.00   27.90    20.5   0.037   1464.3
140.0    2.83    2.82   35.01   27.91    19.6   0.039   1464.2
150.0    2.76    2.75   35.02   27.92    18.5   0.041   1464.1
160.0    2.73    2.72   35.01   27.92    18.6   0.043   1464.1
170.0    2.64    2.63   35.01   27.93    18.2   0.045   1463.9
180.0    2.52    2.51   35.01   27.93    17.4   0.046   1463.5
190.0    2.46    2.45   35.01   27.94    16.7   0.048   1463.4
200.0    2.42    2.41   35.01   27.95    16.2   0.050   1463.4
210.0    2.33    2.32   35.00   27.94    16.6   0.052   1463.2
220.0    2.28    2.27   35.01   27.95    15.6   0.053   1463.1
230.0    2.20    2.19   35.01   27.96    14.8   0.055   1463.0
240.0    2.18    2.17   35.00   27.96    15.1   0.056   1463.0
250.0    2.15    2.13   35.00   27.96    14.9   0.058   1463.0
260.0    2.13    2.12   35.01   27.97    14.2   0.059   1463.2
270.0    2.09    2.07   35.01   27.97    14.2   0.061   1463.1
280.0    2.02    2.00   35.00   27.97    14.1   0.062   1463.0
287.3    2.00    1.98   34.99   27.97    14.7   0.063   1463.0

                        DEPTH       TEMP.       SALIN
```



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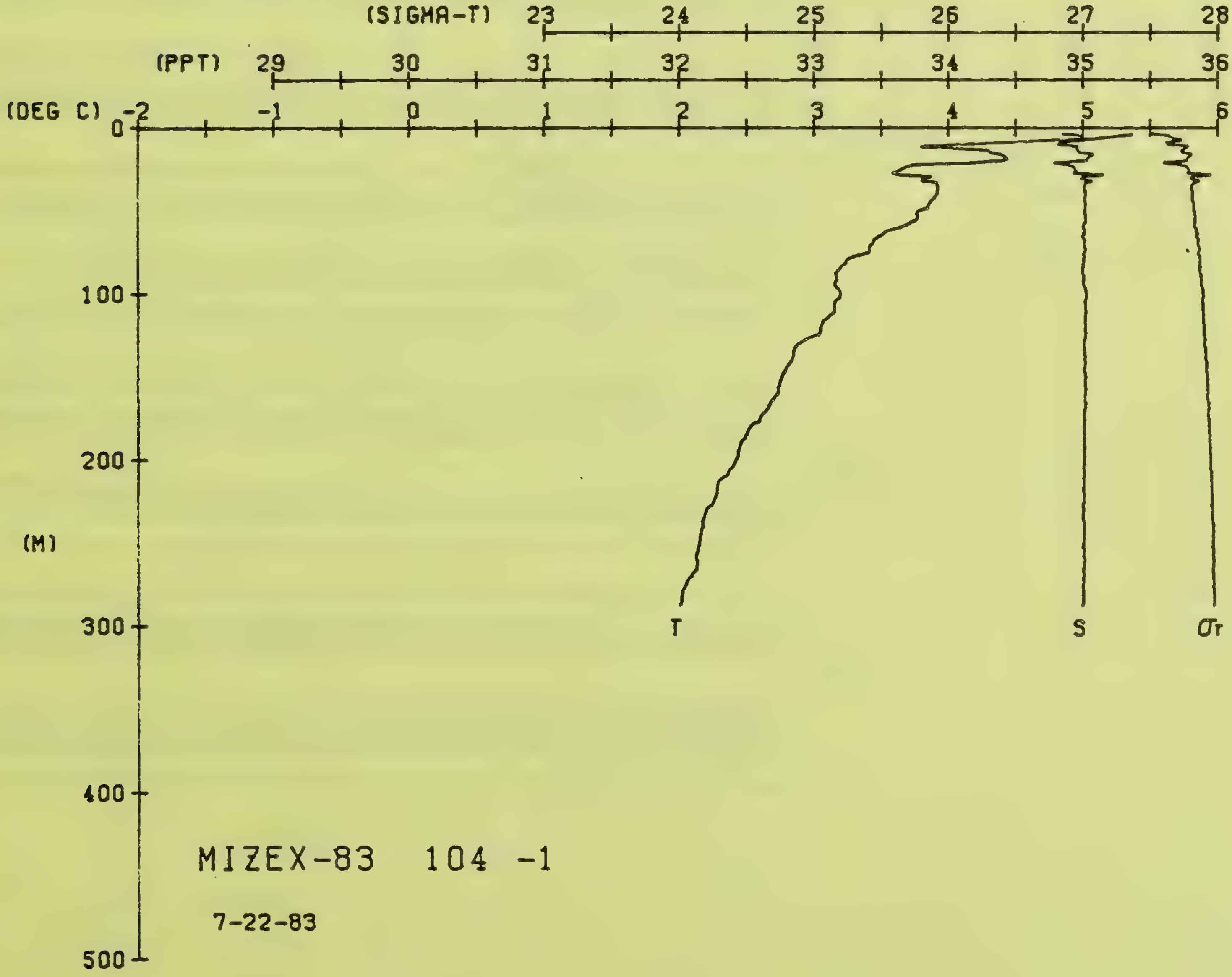
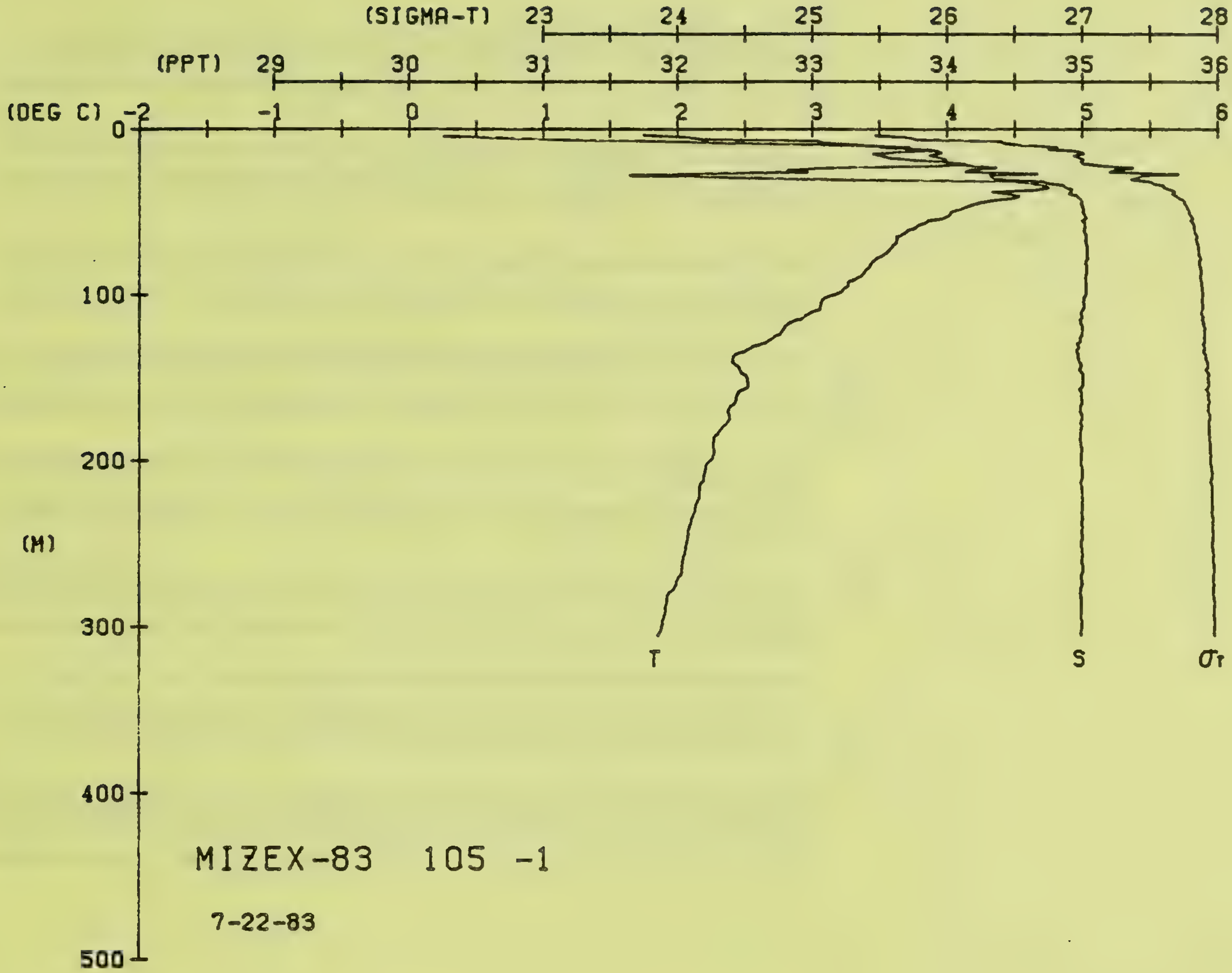


MIZEX-83 104 -1

7-22-83

```
MIZEX-83 STATION 105(1) CTD  22/JUL/1983 1032 GMT  CODE = 1
LAT = 78.7850N LNG =   1.7617W LTER =   300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.22   -0.22   31.40   25.21   274.7   0.000   1443.3
   1.9   -0.22   -0.22   31.40   25.21   274.7   0.005   1443.3
   5.0    0.47    0.47   31.93   25.61   236.8   0.013   1447.3
  10.0    3.19    3.19   33.30   26.52   150.8   0.023   1461.3
  15.0    3.45    3.45   33.97   27.02   102.8   0.030   1463.4
  20.0    3.95    3.95   33.98   26.98   106.6   0.035   1465.6
  25.0    2.81    2.81   34.16   27.24    82.6   0.040   1461.1
  30.0    2.72    2.72   34.16   27.24    82.2   0.044   1460.8
  35.0    4.71    4.71   34.86   27.60    48.4   0.047   1470.2
  40.0    4.47    4.47   34.90   27.66    42.7   0.049   1469.4
  45.0    4.23    4.22   34.98   27.75    34.2   0.051   1468.5
  50.0    4.05    4.05   35.00   27.78    31.2   0.053   1467.9
  55.0    3.91    3.91   35.02   27.81    28.5   0.054   1467.4
  60.0    3.76    3.76   35.02   27.83    27.2   0.056   1466.9
  65.0    3.62    3.62   35.03   27.85    24.9   0.057   1466.4
  70.0    3.61    3.60   35.03   27.85    24.8   0.058   1466.4
  75.0    3.55    3.54   35.04   27.86    23.8   0.060   1466.2
  80.0    3.45    3.45   35.03   27.86    23.7   0.061   1465.9
  85.0    3.40    3.40   35.03   27.87    23.2   0.062   1465.8
  90.0    3.34    3.33   35.02   27.87    23.3   0.063   1465.6
  95.0    3.26    3.26   35.02   27.88    22.3   0.064   1465.3
 100.0    3.17    3.16   35.03   27.89    21.1   0.065   1465.0
 110.0    3.03    3.03   34.99   27.88    22.6   0.068   1464.6
 120.0    2.79    2.78   35.00   27.90    20.2   0.070   1463.7
 130.0    2.62    2.62   34.97   27.89    20.9   0.072   1463.1
 140.0    2.40    2.40   34.97   27.91    19.1   0.074   1462.3
 150.0    2.52    2.51   35.00   27.93    17.9   0.076   1463.0
 160.0    2.45    2.44   34.99   27.93    17.9   0.078   1462.8
 170.0    2.37    2.36   34.98   27.93    18.0   0.079   1462.7
 180.0    2.34    2.33   34.98   27.93    17.7   0.081   1462.7
 190.0    2.26    2.25   34.99   27.94    16.8   0.083   1462.5
 200.0    2.24    2.23   34.99   27.95    16.4   0.085   1462.6
 210.0    2.19    2.18   35.00   27.95    15.6   0.086   1462.6
 220.0    2.16    2.15   35.00   27.96    15.4   0.088   1462.6
 230.0    2.13    2.11   34.99   27.96    15.6   0.089   1462.6
 240.0    2.08    2.07   35.00   27.96    14.9   0.091   1462.6
 250.0    2.06    2.05   34.99   27.96    15.1   0.092   1462.7
 260.0    2.04    2.02   35.00   27.97    14.7   0.094   1462.7
 270.0    2.01    1.99   34.99   27.96    15.3   0.096   1462.7
 280.0    1.93    1.91   34.98   27.96    15.3   0.097   1462.6
 290.0    1.91    1.89   34.99   27.97    14.6   0.099   1462.6
 300.0    1.88    1.86   34.99   27.97    14.0   0.100   1462.7

                        DEPTH      TEMP.      SALIN
```

```
MIZEX-83 STATION 106(1) CTD  22/JUL/1983 1104 GMT  CODE = 1
LAT = 78.6917N LNG =   1.9350W LTER =   300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.18    0.18   31.55   25.32   264.6   0.000   1445.3
   1.9    0.18    0.18   31.55   25.32   264.6   0.005   1445.4
   5.0    0.73    0.73   31.80   25.49   248.0   0.013   1448.3
  10.0    2.20    2.20   32.92   26.29   171.9   0.024   1456.5
  15.0    3.21    3.21   33.75   26.87   117.4   0.031   1462.0
  20.0    4.65    4.65   34.68   27.46    61.6   0.036   1469.5
  25.0    3.59    3.59   34.35   27.31    75.5   0.039   1464.7
  30.0    0.75    0.75   34.46   27.63    45.4   0.042   1452.5
  35.0    0.76    0.76   34.48   27.64    43.7   0.044   1452.6
  40.0    0.92    0.92   34.54   27.68    40.4   0.047   1453.5
  45.0    0.81    0.81   34.62   27.75    33.9   0.048   1453.2
  50.0    1.75    1.75   34.86   27.88    21.6   0.050   1457.8
  55.0    2.65    2.65   35.01   27.92    17.6   0.051   1462.0
  60.0    3.02    3.01   34.88   27.79    30.4   0.052   1463.5
  65.0    2.76    2.76   34.90   27.83    27.0   0.053   1462.5
  70.0    2.64    2.64   34.88   27.82    27.2   0.055   1462.1
  75.0    2.66    2.65   34.94   27.87    22.9   0.056   1462.3
  80.0    2.65    2.64   34.93   27.86    23.8   0.057   1462.3
  85.0    2.11    2.10   34.71   27.73    36.0   0.059   1459.7
  90.0    0.74    0.74   34.75   27.86    23.2   0.060   1453.8
  95.0    0.93    0.92   34.80   27.89    20.6   0.061   1454.8
 100.0    1.11    1.11   34.84   27.91    19.2   0.062   1455.8
 110.0    1.73    1.72   34.91   27.92    17.8   0.064   1458.8
 120.0    1.28    1.27   34.89   27.94    16.3   0.066   1456.9
 130.0    1.42    1.42   34.89   27.93    17.2   0.068   1457.7
 140.0    1.67    1.66   34.94   27.95    15.5   0.069   1459.0
 150.0    1.49    1.48   34.92   27.95    15.8   0.071   1458.4
 160.0    1.61    1.60   34.94   27.96    14.9   0.072   1459.1
 170.0    1.68    1.67   34.94   27.95    15.9   0.074   1459.6
 180.0    1.84    1.83   34.96   27.95    15.6   0.076   1460.5
 190.0    1.86    1.85   34.97   27.96    15.0   0.077   1460.7
 200.0    1.80    1.79   34.95   27.95    15.6   0.079   1460.6
 210.0    1.65    1.64   34.95   27.96    14.6   0.080   1460.1
 220.0    1.73    1.72   34.99   27.98    12.9   0.082   1460.7
 230.0    1.78    1.77   34.97   27.97    14.1   0.083   1461.1
 240.0    1.71    1.70   34.96   27.97    14.3   0.084   1460.9
 250.0    1.67    1.66   34.97   27.97    13.9   0.086   1460.9
 260.0    1.58    1.57   34.96   27.97    14.0   0.087   1460.7
 270.0    1.51    1.50   34.95   27.97    13.9   0.089   1460.5
 280.0    1.47    1.46   34.95   27.98    13.4   0.090   1460.5
 290.0    1.38    1.37   34.95   27.98    13.4   0.091   1460.3

                        DEPTH      TEMP.      SALIN
```



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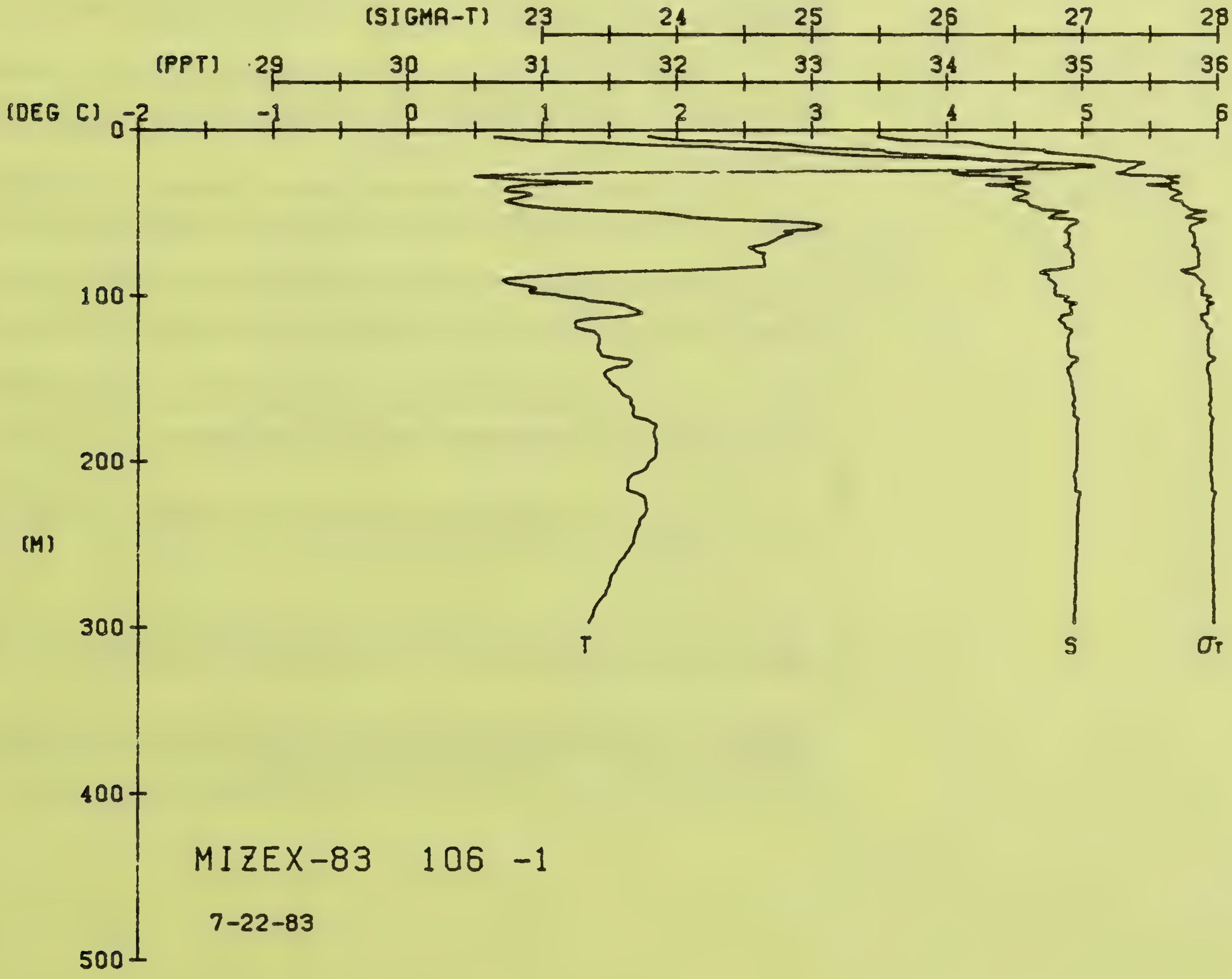
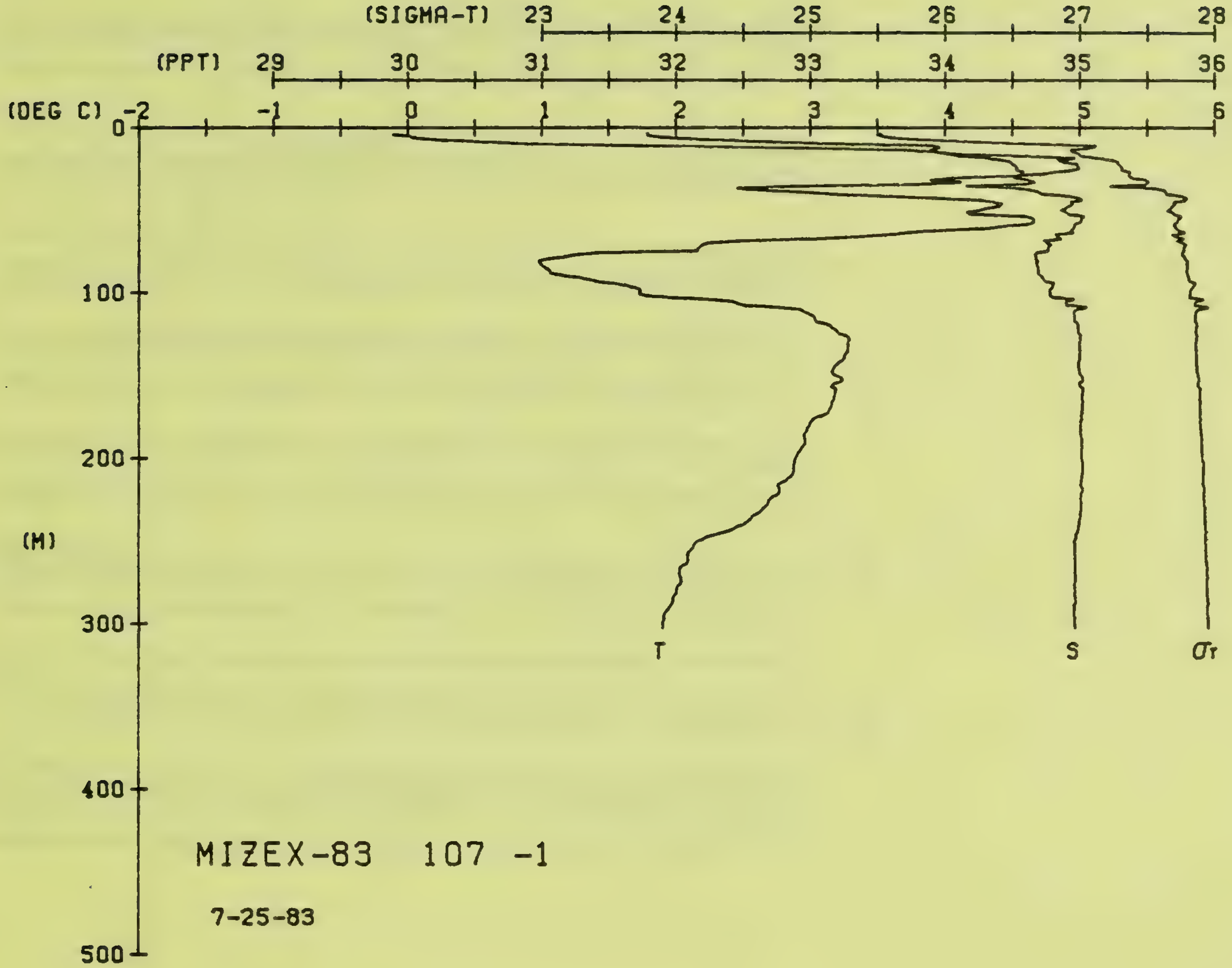


MIZEX-83 106 -1

7-22-83

```
MIZEX-83 STATION 107(1) CTD  25/JUL/1983 2001 GMT   CODE = 1
LAT = 79.2450N LNG =   0.0300W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.28   -0.28   31.36   25.18   277.7   0.000   1442.9
   1.9   -0.28   -0.28   31.36   25.18   277.7   0.006   1443.0
   5.0   -0.03   -0.03   31.80   25.52   245.2   0.014   1444.8
  10.0    0.82    0.82   33.06   26.50   152.4   0.024   1450.5
  15.0    3.91    3.91   33.92   26.94   110.8   0.030   1465.3
  20.0    4.83    4.83   34.41   27.23    83.6   0.035   1469.9
  25.0    4.99    4.99   34.54   27.31    75.6   0.039   1470.8
  30.0    4.38    4.37   34.55   27.39    68.6   0.043   1468.3
  35.0    3.75    3.75   34.33   27.28    78.8   0.047   1465.5
  40.0    3.01    3.01   34.67   27.62    46.5   0.050   1462.9
  45.0    4.31    4.31   34.95   27.72    37.5   0.052   1468.8
  50.0    4.28    4.27   34.89   27.67    42.1   0.054   1468.7
  55.0    4.63    4.62   35.01   27.73    36.5   0.056   1470.4
  60.0    4.46    4.46   34.97   27.71    38.3   0.058   1469.7
  65.0    3.66    3.66   34.84   27.69    39.6   0.060   1466.3
  70.0    2.29    2.29   34.72   27.72    36.5   0.062   1460.3
  75.0    2.15    2.15   34.76   27.77    32.4   0.063   1459.8
  80.0    1.04    1.03   34.66   27.77    31.8   0.065   1454.9
  85.0    1.02    1.02   34.69   27.79    29.7   0.067   1454.9
  90.0    1.16    1.15   34.71   27.80    29.3   0.068   1455.6
  95.0    1.55    1.54   34.81   27.85    24.5   0.069   1457.6
 100.0    1.73    1.73   34.77   27.81    28.8   0.071   1458.4
 110.0    2.83    2.82   35.02   27.92    18.4   0.073   1463.7
 120.0    3.13    3.12   34.98   27.86    24.5   0.075   1465.1
 130.0    3.28    3.27   34.99   27.85    25.3   0.078   1466.0
 140.0    3.25    3.24   35.00   27.86    24.6   0.080   1466.0
 150.0    3.17    3.16   35.00   27.87    23.4   0.083   1465.8
 160.0    3.18    3.17   35.02   27.88    22.6   0.085   1466.0
 170.0    3.14    3.13   35.01   27.88    22.6   0.087   1466.0
 180.0    2.98    2.97   35.00   27.89    21.8   0.090   1465.5
 190.0    2.96    2.95   35.01   27.90    21.4   0.092   1465.6
 200.0    2.88    2.87   35.00   27.90    21.1   0.094   1465.4
 210.0    2.86    2.85   35.01   27.91    20.3   0.096   1465.5
 220.0    2.77    2.75   35.01   27.92    19.6   0.098   1465.3
 230.0    2.65    2.63   35.00   27.92    19.1   0.100   1464.9
 240.0    2.50    2.48   34.99   27.92    19.3   0.102   1464.4
 250.0    2.17    2.16   34.95   27.92    19.3   0.104   1463.1
 260.0    2.08    2.06   34.95   27.93    18.2   0.106   1462.8
 270.0    2.02    2.00   34.96   27.94    17.5   0.108   1462.7
 280.0    2.00    1.98   34.96   27.94    17.5   0.109   1462.8
 290.0    1.95    1.93   34.94   27.93    18.1   0.111   1462.8
 300.0    1.89    1.88   34.95   27.94    17.2   0.113   1462.7

                         DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION 108(1) CTD  25/JUL/1983 2041 GMT   CODE = 1
LAT = 79.2400N LNG =   0.4933W LTER =   300. LGER =   300.
AIR TEMP =   0.0 BAROM =     0.0 WIND =   0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.80   -0.80   31.34   25.18   277.7   0.000   1440.5
   1.9   -0.80   -0.80   31.34   25.18   277.7   0.006   1440.5
   5.0   -0.25   -0.25   31.95   25.66   232.2   0.013   1444.0
  10.0    1.51    1.50   32.65   26.12   187.8   0.024   1453.0
  15.0    2.05    2.05   33.46   26.74   129.8   0.032   1456.6
  20.0    4.05    4.05   34.21   27.15    90.5   0.038   1466.3
  25.0    4.96    4.95   34.49   27.28    78.8   0.042   1470.6
  30.0    4.93    4.93   34.60   27.36    70.7   0.046   1470.7
  35.0    5.14    5.14   34.69   27.41    66.0   0.049   1471.8
  40.0    4.52    4.52   34.64   27.45    62.8   0.052   1469.2
  45.0    2.74    2.74   34.55   27.55    52.7   0.055   1461.6
  50.0    2.77    2.76   34.52   27.52    55.8   0.058   1461.8
  55.0    3.59    3.59   34.58   27.50    58.2   0.061   1465.5
  60.0    3.67    3.66   34.79   27.66    43.2   0.063   1466.2
  65.0    2.97    2.97   34.73   27.67    41.5   0.066   1463.2
  70.0    2.96    2.96   34.80   27.73    36.5   0.068   1463.3
  75.0    3.09    3.09   34.78   27.70    38.9   0.069   1463.9
  80.0    3.56    3.56   34.91   27.76    33.7   0.071   1466.2
  85.0    3.23    3.22   34.90   27.78    31.3   0.073   1464.9
  90.0    3.13    3.13   34.88   27.78    31.6   0.075   1464.5
  95.0    3.92    3.91   34.95   27.75    34.2   0.076   1468.0
 100.0    3.79    3.79   34.99   27.80    29.9   0.078   1467.6
 110.0    3.70    3.69   35.00   27.82    28.2   0.081   1467.4
 120.0    3.94    3.93   35.05   27.84    26.8   0.084   1468.7
 130.0    3.80    3.79   35.00   27.81    29.5   0.086   1468.2
 140.0    3.10    3.09   34.97   27.85    25.2   0.089   1465.3
 150.0    2.65    2.64   34.92   27.85    25.0   0.092   1463.5
 160.0    2.54    2.53   34.93   27.87    23.4   0.094   1463.2
 170.0    1.96    1.95   34.86   27.86    23.7   0.096   1460.7
 180.0    2.12    2.11   34.91   27.89    21.7   0.099   1461.6
 190.0    1.99    1.98   34.91   27.90    20.8   0.101   1461.2
 200.0    2.07    2.06   34.93   27.91    19.4   0.103   1461.8
 210.0    2.23    2.22   34.95   27.91    19.6   0.105   1462.7
 220.0    2.17    2.16   34.95   27.91    19.4   0.107   1462.6
 230.0    2.12    2.11   34.93   27.91    20.0   0.109   1462.5
 240.0    2.07    2.05   34.94   27.92    19.2   0.111   1462.4
 250.0    1.99    1.97   34.94   27.92    18.8   0.113   1462.3
 260.0    1.97    1.96   34.94   27.93    18.0   0.115   1462.4
 270.0    1.94    1.92   34.95   27.94    17.5   0.116   1462.4
 280.0    1.92    1.90   34.95   27.94    17.2   0.118   1462.5
 290.0    1.88    1.86   34.95   27.94    17.1   0.120   1462.5
 300.0    1.83    1.82   34.94   27.94    17.1   0.122   1462.4
 301.2    1.83    1.82   34.95   27.94    16.9   0.122   1462.4

                         DEPTH       TEMP.       SALIN
```



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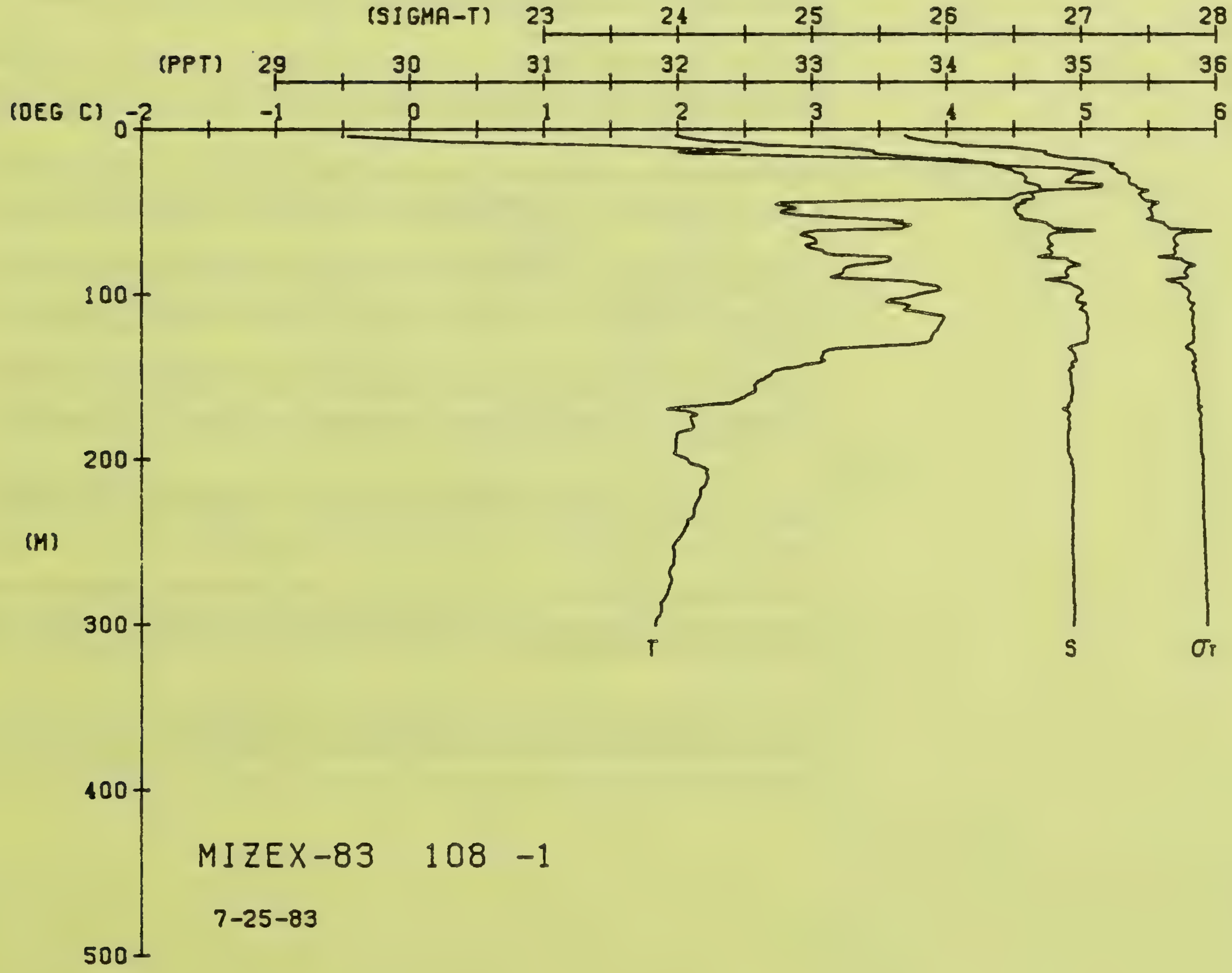

MIZEX-83 108 -1

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MIZEX-83 STATION 109(1) CTD  25/JUL/1983 2119 GMT  CODE = 1
LAT = 79.2333N LNG =    0.9550W LTER =    300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.25   -1.25   31.59   25.40   256.8   0.000   1438.7
   2.9   -1.25   -1.25   31.59   25.40   256.7   0.008   1438.8
   5.0   -1.21   -1.21   31.71   25.49   248.1   0.013   1439.2
  10.0   -0.79   -0.79   32.16   25.84   214.6   0.025   1441.8
  15.0   -0.23   -0.23   32.44   26.05   194.5   0.035   1444.9
  20.0   -1.44   -1.44   33.33   26.81   122.7   0.043   1440.6
  25.0   -1.52   -1.52   33.73   27.14    91.0   0.048   1440.9
  30.0   -1.51   -1.51   33.96   27.33    73.6   0.053   1441.3
  35.0   -1.62   -1.62   34.03   27.39    67.7   0.056   1441.0
  40.0   -1.56   -1.56   34.09   27.43    63.6   0.059   1441.4
  45.0   -1.57   -1.57   34.14   27.47    59.6   0.063   1441.5
  50.0   -1.63   -1.64   34.16   27.49    57.8   0.066   1441.4
  55.0   -1.64   -1.64   34.17   27.50    56.8   0.068   1441.4
  60.0   -1.37   -1.37   34.34   27.63    45.0   0.071   1443.0
  65.0   -0.79   -0.79   34.23   27.52    54.8   0.073   1445.7
  70.0   -0.20   -0.20   34.29   27.55    53.0   0.076   1448.6
  75.0    1.92    1.92   34.61   27.66    42.4   0.079   1458.6
  80.0    3.11    3.11   34.79   27.71    38.2   0.081   1464.1
  85.0    2.48    2.48   34.61   27.62    46.2   0.083   1461.3
  90.0    2.36    2.35   34.74   27.73    35.8   0.085   1461.0
  95.0    2.43    2.42   34.75   27.74    35.6   0.087   1461.4
 100.0    2.25    2.25   34.71   27.72    37.5   0.089   1460.6
 110.0    2.24    2.23   34.81   27.80    29.5   0.092   1460.9
 120.0    1.94    1.93   34.80   27.82    27.9   0.095   1459.7
 130.0    1.81    1.81   34.82   27.84    25.5   0.098   1459.3
 140.0    2.03    2.02   34.83   27.83    26.6   0.100   1460.5
 150.0    2.04    2.03   34.87   27.86    23.7   0.103   1460.7
 160.0    2.16    2.15   34.89   27.87    23.5   0.105   1461.5
 170.0    2.24    2.23   34.90   27.87    23.1   0.107   1462.0
 180.0    1.94    1.93   34.87   27.87    22.8   0.110   1460.8
 190.0    1.84    1.82   34.89   27.90    20.7   0.112   1460.5
 200.0    1.83    1.82   34.88   27.89    21.1   0.114   1460.7
 210.0    1.80    1.79   34.89   27.90    20.8   0.116   1460.7
 220.0    1.76    1.75   34.89   27.91    19.9   0.118   1460.7
 230.0    1.68    1.67   34.89   27.91    19.6   0.120   1460.5
 240.0    1.82    1.81   34.92   27.92    18.4   0.122   1461.3
 250.0    1.80    1.78   34.92   27.92    18.4   0.124   1461.4
 260.0    2.05    2.03   34.95   27.93    18.0   0.126   1462.7
 270.0    2.04    2.02   34.96   27.94    17.1   0.128   1462.8
 280.0    2.01    1.99   34.96   27.94    16.9   0.129   1462.9
 290.0    1.90    1.88   34.95   27.94    16.9   0.131   1462.5

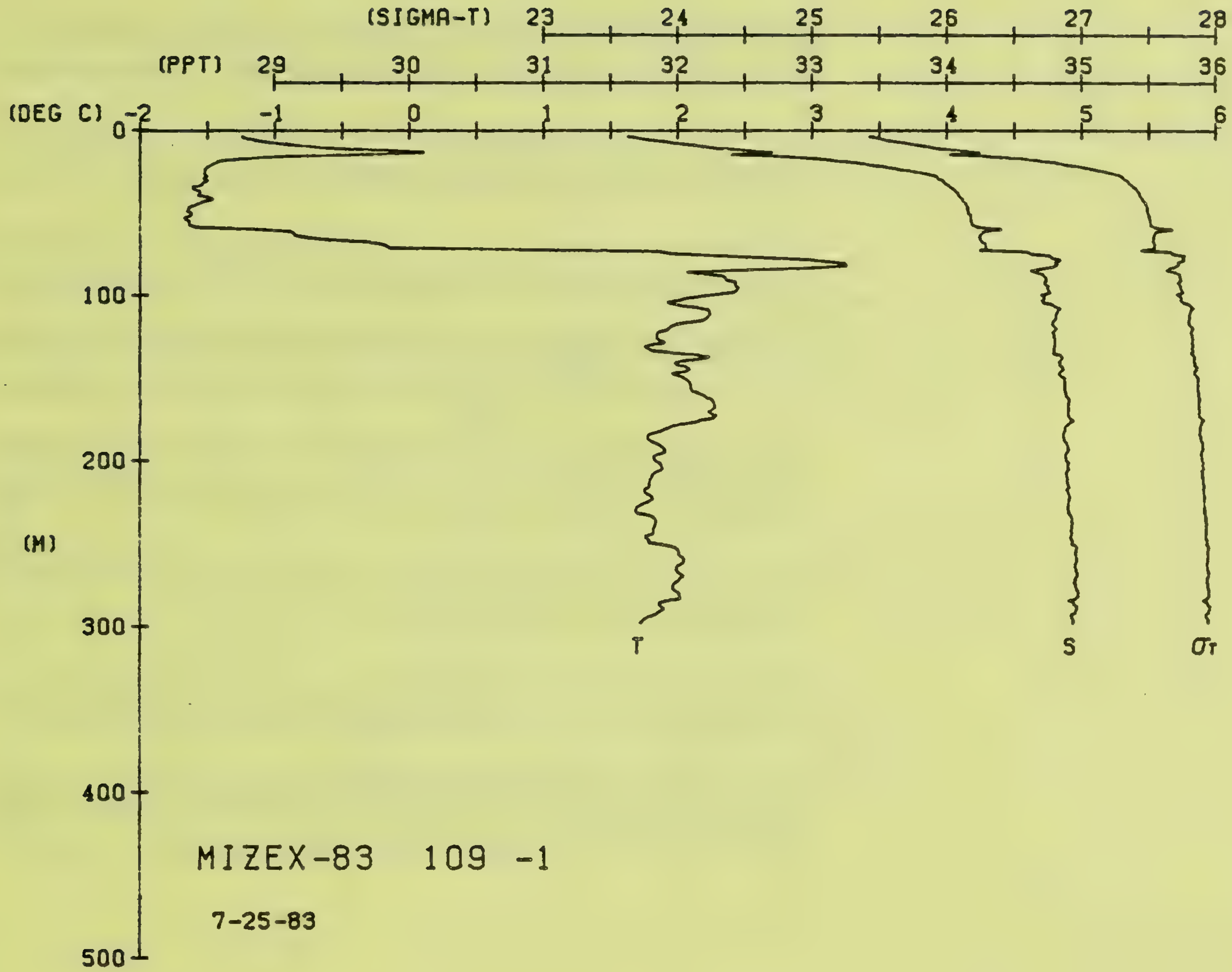
                         DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION 110(1) CTD  25/JUL/1983 2156 GMT  CODE = 1
LAT = 79.2333N LNG =    1.5283W LTER =    300. LGER =   300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =   0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -1.05   -1.05   30.27   24.32   359.6   0.000   1437.8
   1.9   -1.05   -1.05   30.27   24.32   359.6   0.007   1437.9
   5.0   -0.68   -0.68   31.72   25.49   248.6   0.016   1441.7
  10.0    0.64    0.64   32.70   26.22   178.9   0.027   1449.2
  15.0    2.34    2.34   33.26   26.55   147.7   0.036   1457.6
  20.0    3.47    3.47   33.89   26.96   108.9   0.042   1463.5
  25.0    3.46    3.46   33.78   26.87   117.5   0.048   1463.3
  30.0   -0.57   -0.57   33.69   27.07    97.9   0.053   1445.3
  35.0   -1.57   -1.57   34.13   27.47    60.4   0.057   1441.4
  40.0    0.03    0.03   34.39   27.61    46.8   0.060   1449.2
  45.0    0.04    0.04   34.16   27.43    64.3   0.063   1449.1
  50.0   -0.05   -0.05   34.36   27.59    48.8   0.066   1449.0
  55.0    0.51    0.50   34.52   27.69    39.6   0.068   1451.8
  60.0    0.71    0.71   34.54   27.70    39.0   0.070   1452.9
  65.0    1.23    1.23   34.64   27.74    34.8   0.072   1455.4
  70.0    1.14    1.14   34.44   27.59    49.2   0.074   1454.8
  75.0    0.43    0.42   34.58   27.74    34.3   0.076   1451.9
  80.0    0.71    0.70   34.67   27.80    29.0   0.077   1453.4
  85.0    0.74    0.73   34.62   27.76    33.0   0.079   1453.5
  90.0    1.17    1.16   34.64   27.75    34.2   0.081   1455.6
  95.0    0.95    0.95   34.69   27.80    29.6   0.082   1454.8
 100.0    1.35    1.35   34.74   27.81    28.3   0.084   1456.7
 110.0    1.80    1.79   34.78   27.81    28.6   0.087   1458.9
 120.0    1.57    1.56   34.79   27.83    26.2   0.089   1458.0
 130.0    1.55    1.54   34.81   27.85    24.5   0.092   1458.2
 140.0    1.80    1.79   34.85   27.87    23.3   0.094   1459.5
 150.0    1.82    1.81   34.86   27.88    22.3   0.097   1459.8
 160.0    1.59    1.58   34.84   27.87    22.6   0.099   1458.9
 170.0    1.56    1.55   34.84   27.88    22.4   0.101   1458.9
 180.0    1.47    1.46   34.86   27.90    20.3   0.103   1458.7
 190.0    1.44    1.43   34.85   27.90    20.6   0.106   1458.7
 200.0    1.42    1.41   34.86   27.90    20.2   0.108   1458.8
 210.0    1.57    1.56   34.88   27.91    19.7   0.110   1459.7
 220.0    1.42    1.40   34.87   27.91    19.1   0.112   1459.1
 230.0    1.38    1.37   34.87   27.91    19.0   0.114   1459.1
 240.0    1.64    1.63   34.93   27.94    16.6   0.115   1460.6
 250.0    1.59    1.58   34.90   27.93    18.0   0.117   1460.5
 260.0    1.52    1.50   34.90   27.93    17.6   0.119   1460.3
 270.0    1.57    1.55   34.93   27.95    16.3   0.121   1460.7
 280.0    1.68    1.67   34.93   27.94    17.1   0.122   1461.4
 290.0    1.64    1.62   34.90   27.92    18.6   0.124   1461.3
 300.0    1.52    1.50   34.92   27.95    16.3   0.126   1461.0
 306.9    1.44    1.43   34.93   27.96    15.0   0.127   1460.8

                         DEPTH       TEMP.       SALIN
```



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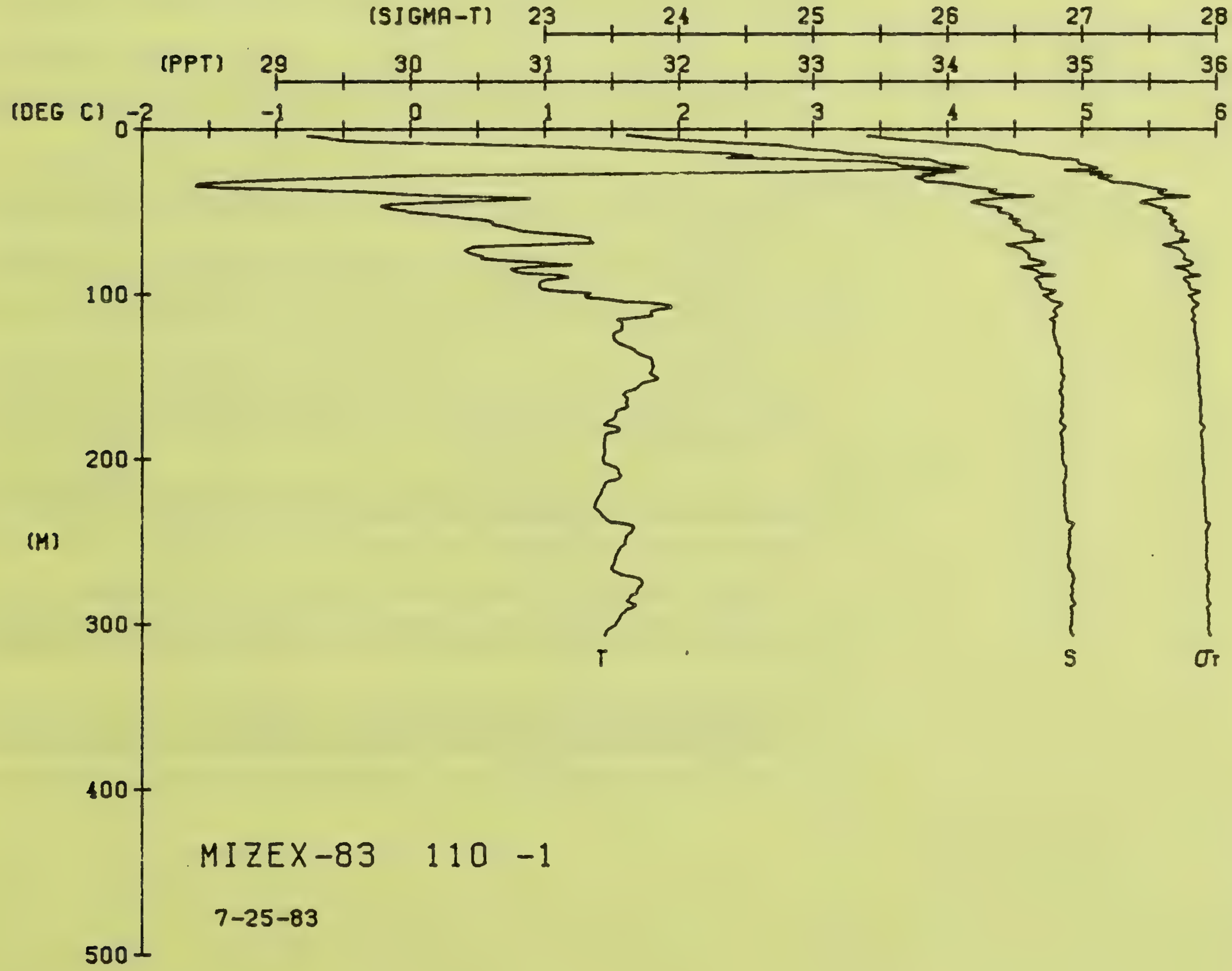


MIZEX-83 110 -1

7-25-83

```
MIZEX-83 STATION 111(1) CTD  25/JUL/1983 2229 GMT   CODE = 1
LAT = 79.2317N LNG =    1.9750W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0   -1.13   -1.13   31.39   25.23   272.9   0.000   1439.0
   1.9   -1.13   -1.13   31.39   25.23   272.9   0.005   1439.1
   5.0   -1.16   -1.16   31.62   25.42   254.9   0.014   1439.3
  10.0   -0.48   -0.48   32.35   25.99   200.8   0.025   1443.6
  15.0    2.03    2.03   33.20   26.53   149.7   0.034   1456.2
  20.0    3.01    3.01   33.75   26.89   115.7   0.041   1461.3
  25.0    1.96    1.96   32.94   26.32   169.1   0.048   1455.7
  30.0   -1.54   -1.54   33.89   27.27    79.1   0.054   1441.1
  35.0   -1.66   -1.66   34.00   27.36    70.3   0.058   1440.8
  40.0   -1.62   -1.62   34.04   27.40    66.8   0.061   1441.1
  45.0   -1.61   -1.61   34.10   27.44    62.6   0.065   1441.3
  50.0   -1.64   -1.64   34.13   27.47    60.1   0.068   1441.3
  55.0   -1.61   -1.61   34.15   27.49    58.5   0.071   1441.6
  60.0   -1.69   -1.69   34.17   27.50    56.8   0.074   1441.3
  65.0   -1.63   -1.63   34.20   27.53    54.4   0.076   1441.7
  70.0   -1.65   -1.65   34.23   27.55    52.3   0.079   1441.7
  75.0   -1.35   -1.35   34.30   27.60    47.7   0.082   1443.3
  80.0   -0.54   -0.55   34.39   27.64    44.1   0.084   1447.3
  85.0   -0.23   -0.24   34.34   27.58    49.4   0.086   1448.7
  90.0    1.11    1.11   35.01   28.05     5.6   0.088   1455.8
  95.0    2.38    2.38   34.72   27.72    37.5   0.089   1461.1
 100.0    3.09    3.09   34.99   27.87    23.6   0.090   1464.6
 110.0    2.79    2.78   34.83   27.77    32.9   0.093   1463.3
 120.0    2.58    2.57   34.82   27.78    31.4   0.096   1462.5
 130.0    1.84    1.83   34.77   27.80    29.5   0.100   1459.4
 140.0    1.46    1.45   34.81   27.86    23.9   0.102   1457.9
 150.0    0.66    0.66   34.71   27.83    26.3   0.105   1454.4
 160.0    0.27    0.26   34.68   27.84    25.5   0.107   1452.7
 170.0    0.71    0.71   34.75   27.86    23.4   0.110   1455.0
 180.0    0.26    0.25   34.71   27.86    23.6   0.112   1453.0
 190.0    0.57    0.57   34.74   27.86    23.1   0.115   1454.7
 200.0    2.02    2.01   34.91   27.90    20.5   0.117   1461.5
 210.0    2.33    2.32   34.95   27.90    20.7   0.119   1463.1
 220.0    2.27    2.26   34.95   27.91    19.9   0.121   1463.0
 230.0    2.39    2.38   34.97   27.92    19.5   0.123   1463.7
 240.0    2.20    2.18   34.96   27.92    18.8   0.125   1463.0
 250.0    2.14    2.12   34.96   27.93    18.5   0.127   1462.9
 260.0    2.18    2.16   34.98   27.94    17.4   0.129   1463.3
 270.0    2.00    1.99   34.95   27.93    18.0   0.130   1462.7
 280.0    1.95    1.93   34.95   27.93    17.7   0.132   1462.6
 290.0    1.84    1.83   34.95   27.94    16.8   0.134   1462.3
 300.0    2.03    2.01   34.97   27.95    16.7   0.136   1463.3
 304.9    2.00    1.99   34.96   27.94    17.1   0.136   1463.3

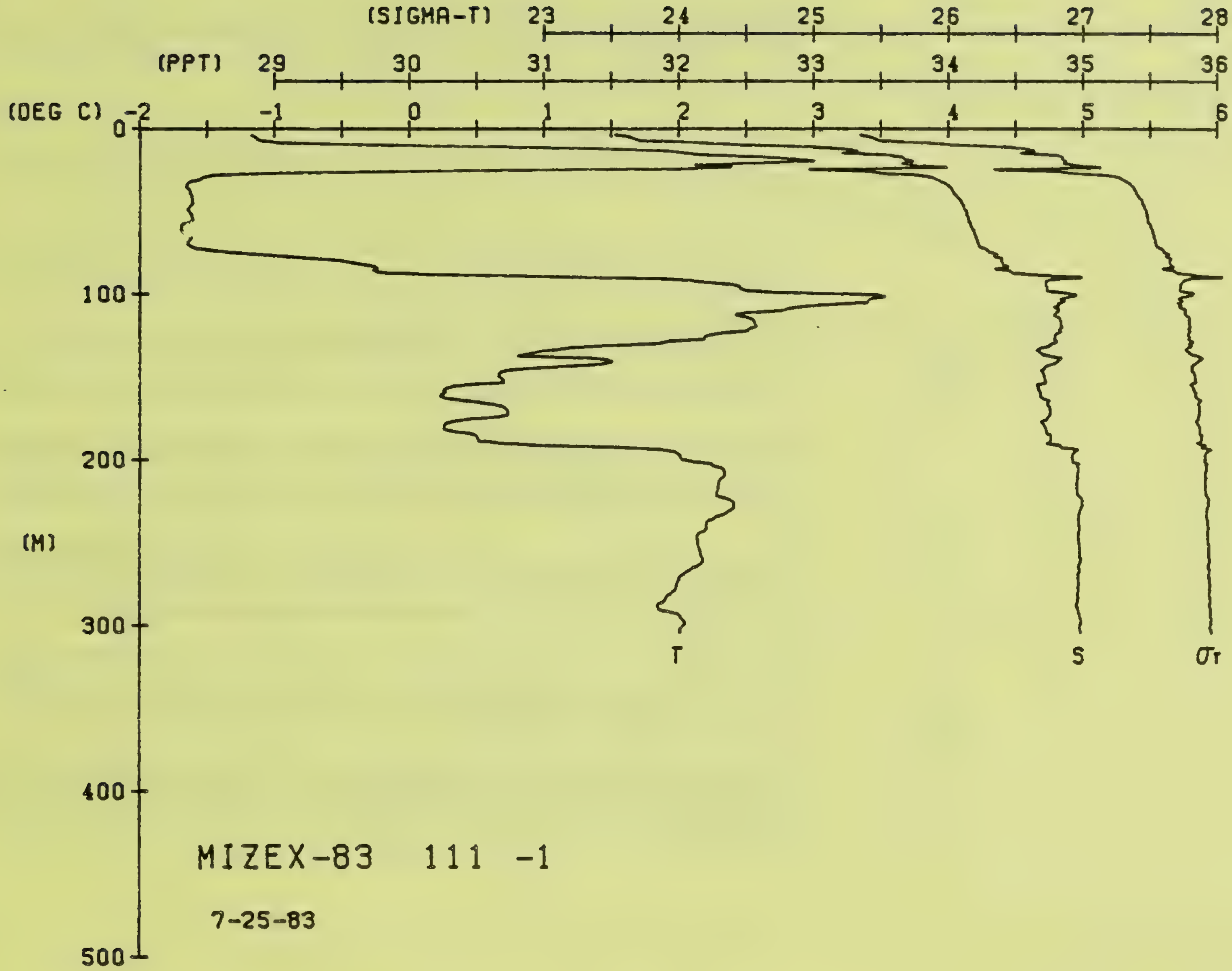
                        DEPTH       TEMP.       SALIN
```

```
MIZEX-83 STATION 112(1) CTD  25/JUL/1983 2303 GMT   CODE = 1
LAT = 79.2000N LNG =    2.4967W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT    SOUND

   0.0   -0.59   -0.59   31.07   24.96   298.7   0.000   1441.1
   1.9   -0.59   -0.59   31.07   24.96   298.7   0.006   1441.1
   5.0   -1.17   -1.17   31.41   25.25   270.7   0.015   1439.0
  10.0   -1.31   -1.31   31.73   25.51   246.1   0.028   1438.8
  15.0   -0.96   -0.96   31.87   25.62   235.9   0.040   1440.8
  20.0   -0.74   -0.74   32.35   25.99   200.1   0.051   1442.5
  25.0   -0.14   -0.14   32.77   26.32   169.5   0.060   1446.0
  30.0    1.16    1.16   33.15   26.55   147.4   0.068   1452.5
  35.0    3.20    3.19   33.62   26.77   127.2   0.075   1462.2
  40.0    4.19    4.19   34.47   27.34    72.9   0.080   1467.6
  45.0    4.93    4.93   34.62   27.38    69.3   0.084   1471.0
  50.0    4.92    4.91   34.67   27.42    65.5   0.087   1471.1
  55.0    5.21    5.21   34.95   27.61    47.6   0.090   1472.7
  60.0    5.00    4.99   34.95   27.64    45.1   0.092   1471.9
  65.0    2.35    2.34   34.90   27.86    23.3   0.094   1460.7
  70.0    1.94    1.94   34.70   27.74    35.4   0.096   1458.7
  75.0    1.35    1.35   34.78   27.85    24.7   0.097   1456.4
  80.0    0.38    0.37   34.59   27.75    33.6   0.099   1451.8
  85.0    0.45    0.44   34.56   27.72    36.2   0.100   1452.1
  90.0    0.68    0.68   34.57   27.72    36.5   0.102   1453.3
  95.0    0.65    0.64   34.65   27.79    30.0   0.104   1453.3
 100.0    0.95    0.94   34.66   27.77    31.8   0.106   1454.8
 110.0    1.58    1.57   34.76   27.81    28.2   0.109   1457.9
 120.0    1.56    1.55   34.83   27.87    22.7   0.111   1458.1
 130.0    1.78    1.77   34.81   27.83    26.3   0.114   1459.2
 140.0    2.25    2.24   34.84   27.82    27.5   0.116   1461.4
 150.0    2.39    2.38   34.95   27.90    20.3   0.119   1462.4
 160.0    2.33    2.32   34.88   27.85    25.2   0.121   1462.2
 170.0    2.11    2.10   34.82   27.82    28.1   0.124   1461.3
 180.0    1.78    1.77   34.88   27.89    21.4   0.126   1460.1
 190.0    1.93    1.92   34.89   27.89    21.3   0.128   1460.9
 200.0    1.65    1.64   34.87   27.90    20.5   0.131   1459.9
 210.0    1.55    1.54   34.87   27.90    20.0   0.133   1459.6
 220.0    1.22    1.21   34.83   27.89    20.8   0.135   1458.2
 230.0    1.15    1.14   34.84   27.91    19.7   0.137   1458.1
 240.0    1.27    1.26   34.86   27.91    19.0   0.139   1458.8
 250.0    1.19    1.17   34.86   27.92    18.0   0.141   1458.6
 260.0    1.22    1.21   34.88   27.93    17.4   0.142   1458.9
 270.0    1.01    0.99   34.85   27.92    18.2   0.144   1458.1
 280.0    0.82    0.80   34.85   27.94    16.5   0.146   1457.4
 290.0    1.04    1.02   34.84   27.92    18.8   0.148   1458.6
 300.0    0.79    0.78   34.82   27.92    18.4   0.150   1457.6

                        DEPTH       TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
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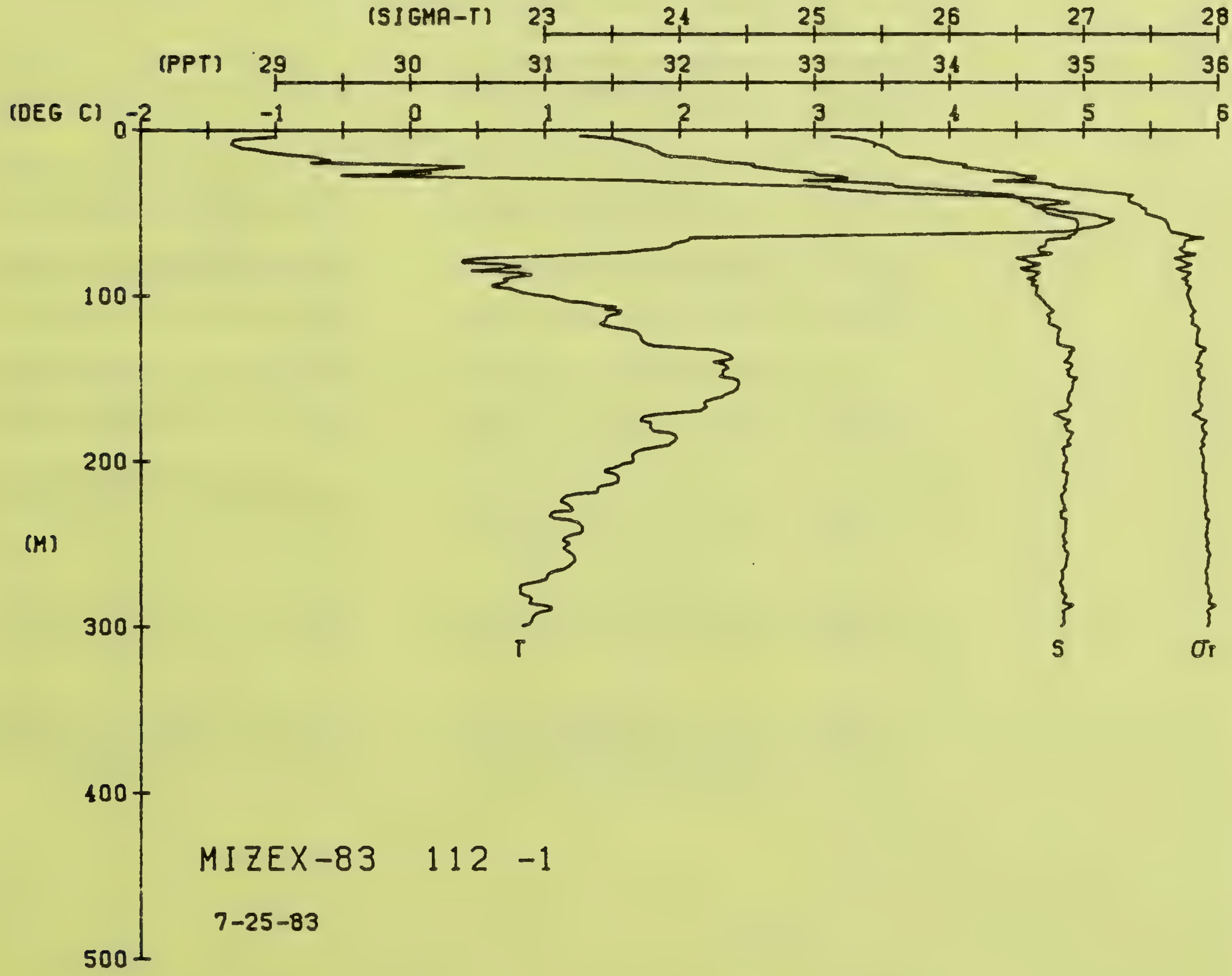
400
500
T
S
σT
MIZEX-83 111 -1
7-25-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 112 -1
7-25-83

```
MIZEX-83 STATION 113(1) CTD  25/JUL/1983 2340 GMT  CODE = 1
LAT = 79.2133N LNG =    3.1317W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0   -0.99   -0.99   29.49   23.69   419.9   0.000   1437.0
   1.9   -0.99   -0.99   29.49   23.69   419.9   0.008   1437.1
   5.0   -1.30   -1.30   31.17   25.06   288.9   0.019   1438.0
  10.0   -1.33   -1.33   31.30   25.16   279.1   0.034   1438.1
  15.0   -1.61   -1.61   31.53   25.35   261.0   0.047   1437.2
  20.0   -1.63   -1.63   31.55   25.37   259.2   0.060   1437.2
  25.0   -1.64   -1.64   31.57   25.39   257.6   0.074   1437.3
  30.0   -1.62   -1.62   31.63   25.44   252.6   0.086   1437.5
  35.0   -1.54   -1.54   31.84   25.61   236.9   0.099   1438.3
  40.0   -1.56   -1.56   32.16   25.87   212.1   0.110   1438.7
  45.0   -1.59   -1.59   32.63   26.25   175.9   0.120   1439.3
  50.0   -1.64   -1.64   33.12   26.65   137.9   0.128   1439.9
  55.0   -1.62   -1.62   33.52   26.97   107.0   0.134   1440.6
  60.0   -0.68   -0.68   34.43   27.68    40.6   0.138   1446.4
  65.0    0.66    0.66   34.00   27.26    80.0   0.141   1452.0
  70.0   -1.69   -1.69   34.05   27.41    65.8   0.144   1441.3
  75.0   -1.68   -1.69   34.09   27.44    62.8   0.148   1441.4
  80.0   -1.73   -1.73   34.14   27.48    58.6   0.151   1441.4
  85.0   -1.74   -1.74   34.17   27.51    56.4   0.154   1441.5
  90.0   -1.69   -1.69   34.20   27.53    53.9   0.156   1441.8
  95.0   -1.60   -1.60   34.21   27.54    53.5   0.159   1442.3
 100.0   -1.48   -1.48   34.26   27.57    50.5   0.162   1443.1
 110.0   -1.16   -1.16   34.32   27.61    47.0   0.167   1444.8
 120.0    4.04    4.03   34.81   27.63    46.0   0.171   1468.7
 130.0    4.70    4.69   35.04   27.74    35.8   0.176   1472.0
 140.0    2.95    2.94   34.83   27.75    34.7   0.179   1464.5
 150.0    2.68    2.67   34.83   27.78    32.0   0.182   1463.5
 160.0    1.17    1.17   34.70   27.79    30.2   0.186   1456.8
 170.0    0.97    0.96   34.75   27.84    25.2   0.188   1456.2
 180.0    0.13    0.12   34.67   27.83    26.0   0.191   1452.4
 190.0    0.20    0.19   34.69   27.85    24.7   0.194   1452.9
 200.0    0.22    0.21   34.70   27.86    23.8   0.196   1453.2
 210.0    1.50    1.49   34.85   27.89    21.3   0.198   1459.3
 220.0    1.91    1.89   34.91   27.91    20.0   0.200   1461.4
 230.0    1.58    1.57   34.86   27.89    21.0   0.202   1460.0
 240.0    1.41    1.40   34.85   27.90    20.5   0.205   1459.4
 250.0    1.93    1.91   34.93   27.92    18.8   0.207   1462.0
 260.0    2.00    1.98   34.94   27.92    18.8   0.208   1462.5
 270.0    1.71    1.70   34.91   27.92    18.5   0.210   1461.3
 280.0    1.79    1.77   34.93   27.93    18.0   0.212   1461.9
 290.0    1.71    1.69   34.92   27.93    17.9   0.214   1461.7


                           DEPTH      TEMP.       SALIN
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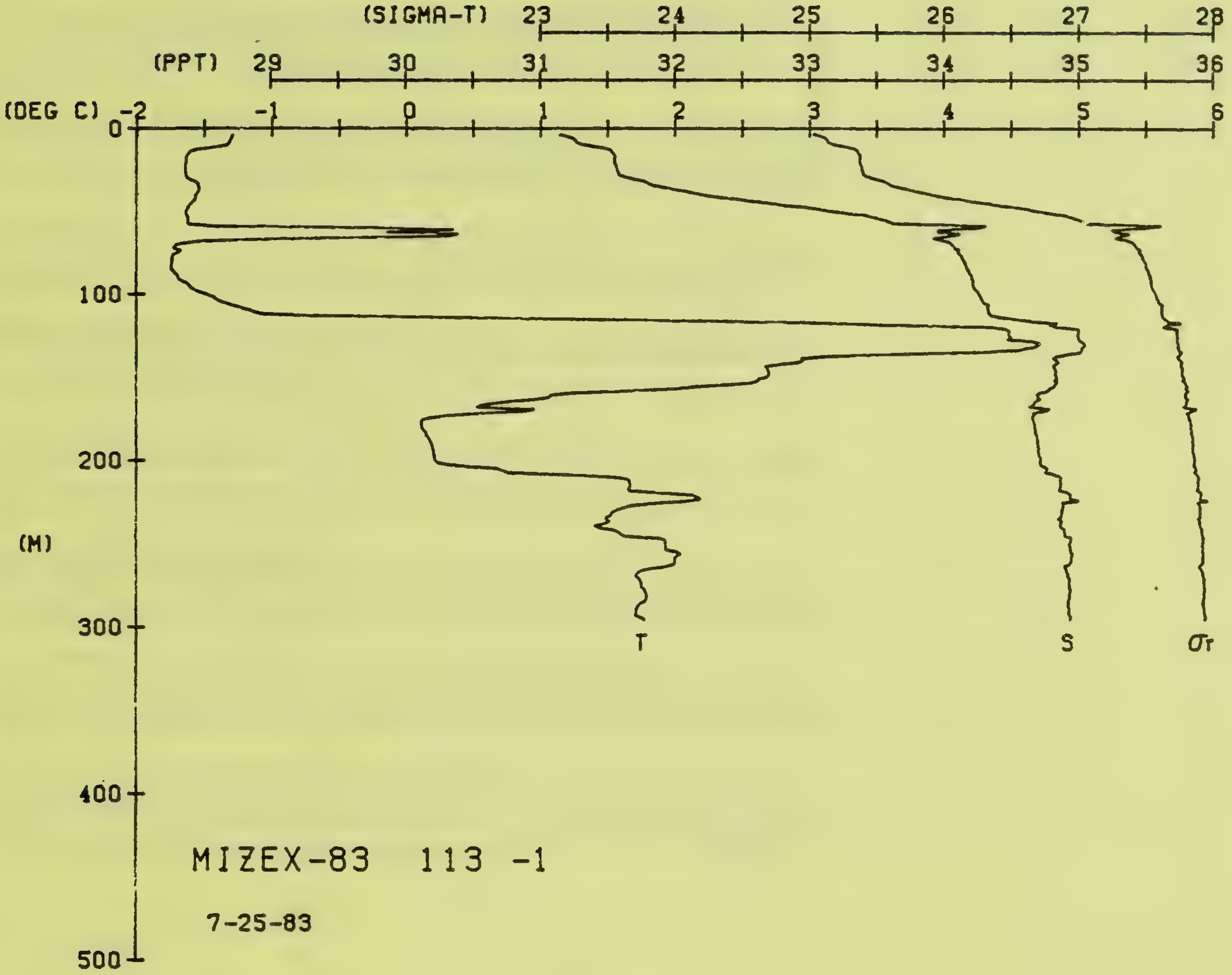
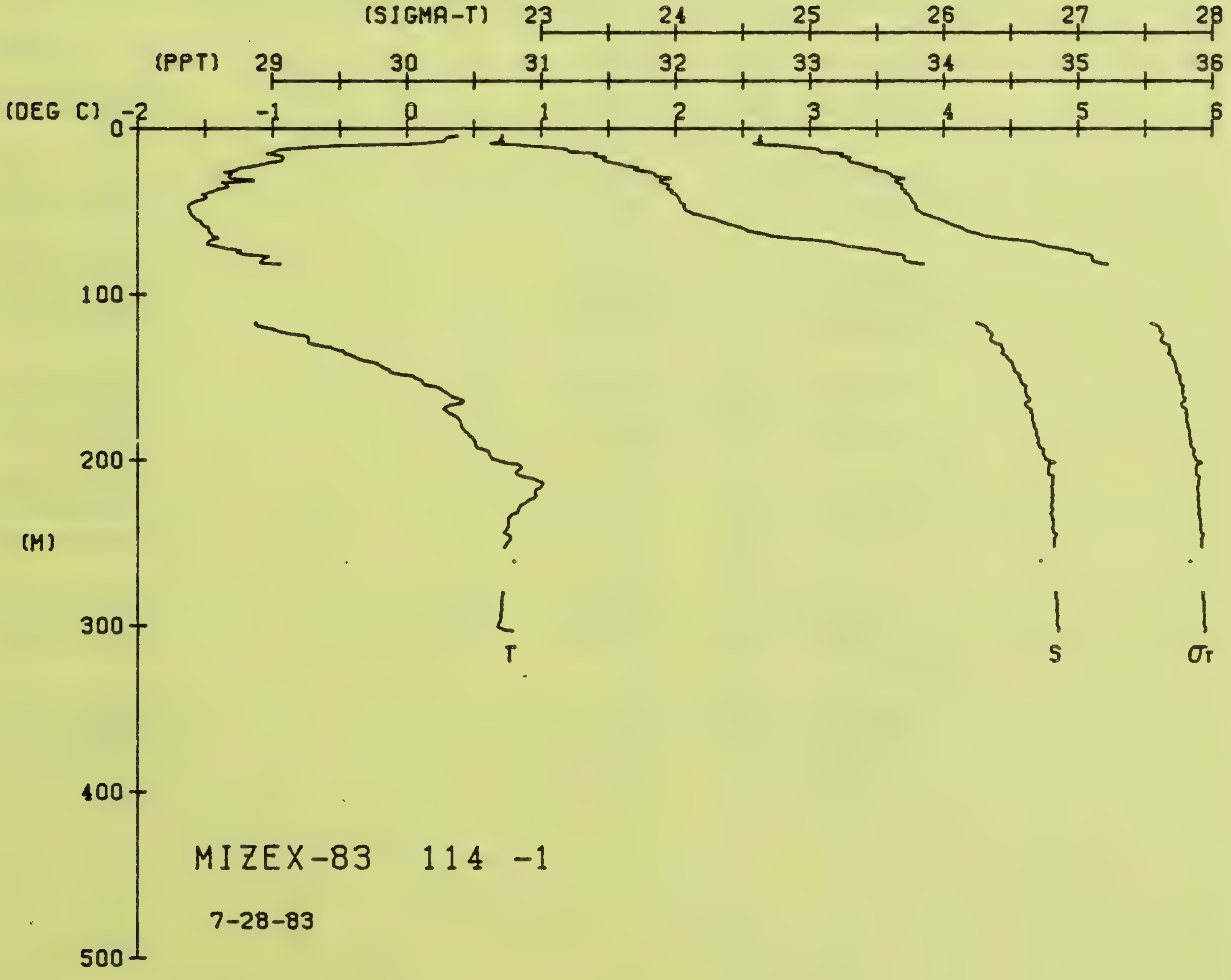
MIZEX-83 STATION 114(1) CTD  28/JUL/1983 1420 GMT  CODE = 1
LAT = 78.0783N LNG =    5.2333W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =     0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0    0.28    0.28   30.69   24.61   331.5   *****   1444.6
  2.0    0.28    0.28   30.69   24.61   331.5   *****   1444.6
  5.0    0.32    0.32   30.71   24.63   329.6   *****   1444.9
 10.0   -0.27   -0.27   30.68   24.63   330.2   *****   1442.2
 15.0   -1.04   -1.04   31.31   25.16   279.3   *****   1439.6
 20.0   -0.97   -0.97   31.46   25.29   267.4   *****   1440.2
 25.0   -1.26   -1.26   31.71   25.50   247.2   *****   1439.3
 30.0   -1.32   -1.32   31.90   25.65   232.3   *****   1439.3
 35.0   -1.33   -1.33   31.94   25.68   229.8   *****   1439.4
 40.0   -1.53   -1.53   31.99   25.73   225.1   *****   1438.6
 45.0   -1.60   -1.60   32.04   25.77   220.9   *****   1438.5
 50.0   -1.60   -1.60   32.09   25.81   217.4   *****   1438.6
 55.0   -1.56   -1.56   32.29   25.97   202.0   *****   1439.1
 60.0   -1.47   -1.47   32.48   26.13   187.2   *****   1439.9
 65.0   -1.44   -1.44   32.69   26.30   171.0   *****   1440.4
 70.0   -1.49   -1.49   33.19   26.71   132.2   *****   1441.0
 75.0   -1.27   -1.27   33.54   26.98   106.3   *****   1442.6
 80.0   -1.09   -1.09   33.71   27.11    94.0   *****   1443.8
 82.8   -0.93   -0.93   33.82   27.20    85.8   *****   1444.7
 85.0
 90.0
 95.0
100.0
110.0
116.9   -1.11   -1.11   34.23   27.53    53.7   *****   1445.0
120.0   -1.07   -1.07   34.32   27.60    47.0   *****   1445.4
130.0   -0.72   -0.73   34.39   27.64    43.4   *****   1447.3
140.0   -0.34   -0.34   34.49   27.71    37.3   *****   1449.4
150.0    0.05    0.04   34.57   27.75    33.4   *****   1451.4
160.0    0.30    0.29   34.61   27.77    31.4   *****   1452.8
170.0    0.28    0.27   34.65   27.80    28.6   *****   1452.9
180.0    0.41    0.40   34.68   27.82    26.9   *****   1453.7
190.0    0.51    0.50   34.70   27.83    26.0   *****   1454.3
200.0    0.66    0.65   34.77   27.88    21.7   *****   1455.3
210.0    0.84    0.83   34.82   27.91    19.2   *****   1456.3
220.0    0.95    0.94   34.81   27.89    20.7   *****   1457.0
230.0    0.83    0.82   34.81   27.91    19.2   *****   1456.6
240.0    0.75    0.74   34.81   27.91    18.8   *****   1456.4
250.0    0.74    0.73   34.82   27.92    18.4   *****   1456.6
260.0    0.78    0.77   34.74   27.85    24.9   *****   1456.8
261.9    0.69    0.68   34.83   27.93    17.2   *****   1456.6
270.0
279.6    0.71    0.69   34.84   27.94    16.7   *****   1456.9
280.0    0.71    0.70   34.84   27.93    16.8   *****   1456.9
290.0    0.70    0.69   34.84   27.94    16.4   *****   1457.1
300.0    0.67    0.66   34.84   27.94    16.2   *****   1457.1
303.5    0.79    0.77   34.85   27.94    16.4   *****   1457.7

                          DEPTH      TEMP.       SALIN
```


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 113 -1
7-25-83


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
(M)
300
400
500
T
S
σT
MIZEX-83 114 -1
7-28-83

```
MIZEX-83 STATION 115(1) CTD  28/JUL/1983 1511 GMT  CODE = 1
LAT = 78.0800N LNG =    5.6817W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

 DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0    0.14    0.14   30.66   24.60   333.2   0.000   1443.9
   2.0    0.14    0.14   30.66   24.60   333.2   0.007   1443.9
   5.0    0.15    0.15   30.65   24.59   333.8   0.017   1444.0
  10.0   -0.09   -0.09   30.83   24.75   319.0   0.033   1443.3
  15.0   -0.79   -0.79   31.18   25.05   290.0   0.049   1440.6
  20.0   -0.79   -0.79   31.61   25.40   256.2   0.063   1441.2
  25.0   -1.15   -1.15   31.80   25.56   240.8   0.075   1439.9
  30.0   -1.51   -1.51   31.91   25.66   231.7   0.087   1438.5
  35.0   -1.36   -1.36   31.91   25.66   232.0   0.099   1439.2
  40.0   -1.43   -1.43   32.02   25.75   223.2   0.110   1439.1
  45.0   -1.55   -1.55   32.02   25.75   222.9   0.122   1438.6
  50.0   -1.63   -1.63   32.03   25.76   221.9   0.133   1438.4
  55.0   -1.67   -1.67   32.08   25.80   218.1   0.144   1438.3
  60.0   -1.63   -1.63   32.14   25.85   213.2   0.155   1438.7
  65.0   -1.58   -1.59   32.24   25.93   205.5   0.165   1439.1
  70.0   -1.51   -1.51   32.42   26.08   191.8   0.175   1439.8
  75.0   -1.48   -1.48   32.75   26.35   166.2   0.185   1440.5
  80.0   -1.31   -1.31   33.17   26.68   134.4   0.192   1442.0
  85.0   -1.09   -1.10   33.49   26.93   110.8   0.198   1443.5
  90.0   -1.02   -1.03   33.74   27.14    91.4   0.203   1444.3
  95.0   -0.91   -0.91   33.91   27.27    79.1   0.208   1445.2
 100.0   -1.27   -1.27   33.90   27.27    78.6   0.212   1443.5
 110.0   -1.72   -1.72   34.07   27.42    64.0   0.219   1441.8
 120.0   -1.76   -1.76   34.12   27.46    60.0   0.225   1441.9
 130.0   -1.78   -1.79   34.17   27.50    56.2   0.231   1442.0
 140.0   -1.71   -1.71   34.21   27.54    52.9   0.237   1442.6
 150.0   -1.31   -1.31   34.30   27.59    47.7   0.242   1444.7
 160.0   -0.69   -0.70   34.37   27.63    44.5   0.246   1447.9
 170.0   -0.47   -0.48   34.50   27.73    35.7   0.250   1449.2
 180.0   -0.15   -0.16   34.54   27.74    34.3   0.254   1451.0
 190.0    0.04    0.03   34.65   27.82    27.2   0.257   1452.1
 200.0    0.23    0.22   34.64   27.81    28.5   0.260   1453.2
 210.0    0.26    0.25   34.69   27.84    25.1   0.263   1453.5
 220.0    0.38    0.37   34.73   27.87    23.0   0.265   1454.3
 230.0    0.47    0.46   34.74   27.87    22.2   0.267   1454.9
 240.0    0.56    0.55   34.78   27.89    20.3   0.269   1455.5
 250.0    0.53    0.52   34.79   27.91    19.0   0.271   1455.6
 260.0    0.54    0.53   34.80   27.91    18.6   0.273   1455.8
 270.0    0.60    0.59   34.82   27.92    17.7   0.275   1456.2
 280.0    0.55    0.54   34.84   27.95    15.4   0.277   1456.2
 290.0    0.55    0.54   34.86   27.96    14.0   0.278   1456.4
 300.0    0.53    0.52   34.87   27.97    13.3   0.280   1456.5
 302.0    0.52    0.51   34.87   27.97    13.5   0.280   1456.5


                       DEPTH        TEMP.        SALIN
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MIZEX-83 STATION 116(1) CTD  28/JUL/1983 1601 GMT  CODE = 1
LAT = 78.0800N LNG =    6.1733W LTER =    300. LGER =    300.
AIR TEMP =    0.0 BAROM =      0.0 WIND =    0.0 SPEED =    0.0

DEPTH    TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0   -0.14   -0.14   30.62   24.57   335.3   *****   1442.6
  2.0   -0.14   -0.14   30.62   24.57   335.3   *****   1442.6
 .5.0   -0.14   -0.14   30.76   24.69   324.2   *****   1442.9
 10.0   -0.72   -0.72   30.95   24.87   307.5   *****   1440.5
 15.0   -1.10   -1.10   31.27   25.13   282.1   *****   1439.2
 20.0   -1.22   -1.22   31.43   25.27   269.3   *****   1439.0
 25.0   -1.39   -1.39   31.59   25.40   256.8   *****   1438.5
 30.0   -1.40   -1.40   31.74   25.52   244.9   *****   1438.7
 35.0   -1.16   -1.16   31.89   25.64   233.5   *****   1440.1
 39.7   -1.33   -1.33   31.98   25.71   226.5   *****   1439.6
 40.0
 45.0
 50.0
 55.0
 60.0
 65.0
 70.0
 75.0
 80.0
 85.0
 90.0
 95.0
100.0
110.0
120.0
130.0
140.0
150.0
160.0
170.0
180.0
186.4   -0.13   -0.14   34.54   27.74    34.2   *****   1451.1
190.0   -0.10   -0.10   34.56   27.75    33.2   *****   1451.4
192.4   -0.06   -0.06   34.55   27.75    33.6   *****   1451.6
200.0
210.0
220.0
230.0
240.0
243.5    0.46    0.45   34.79   27.91    18.8   *****   1455.1
246.5    0.49    0.48   34.80   27.91    18.4   *****   1455.3
250.0
260.0
265.8    0.51    0.50   34.83   27.94    16.0   *****   1455.8
270.0    0.51    0.50   34.83   27.94    16.0   *****   1455.8
280.0    0.52    0.50   34.85   27.95    14.7   *****   1456.1
290.0    0.51    0.50   34.85   27.96    14.6   *****   1456.2
300.0    0.51    0.50   34.86   27.97    13.5   *****   1456.4

                       DEPTH        TEMP.        SALIN
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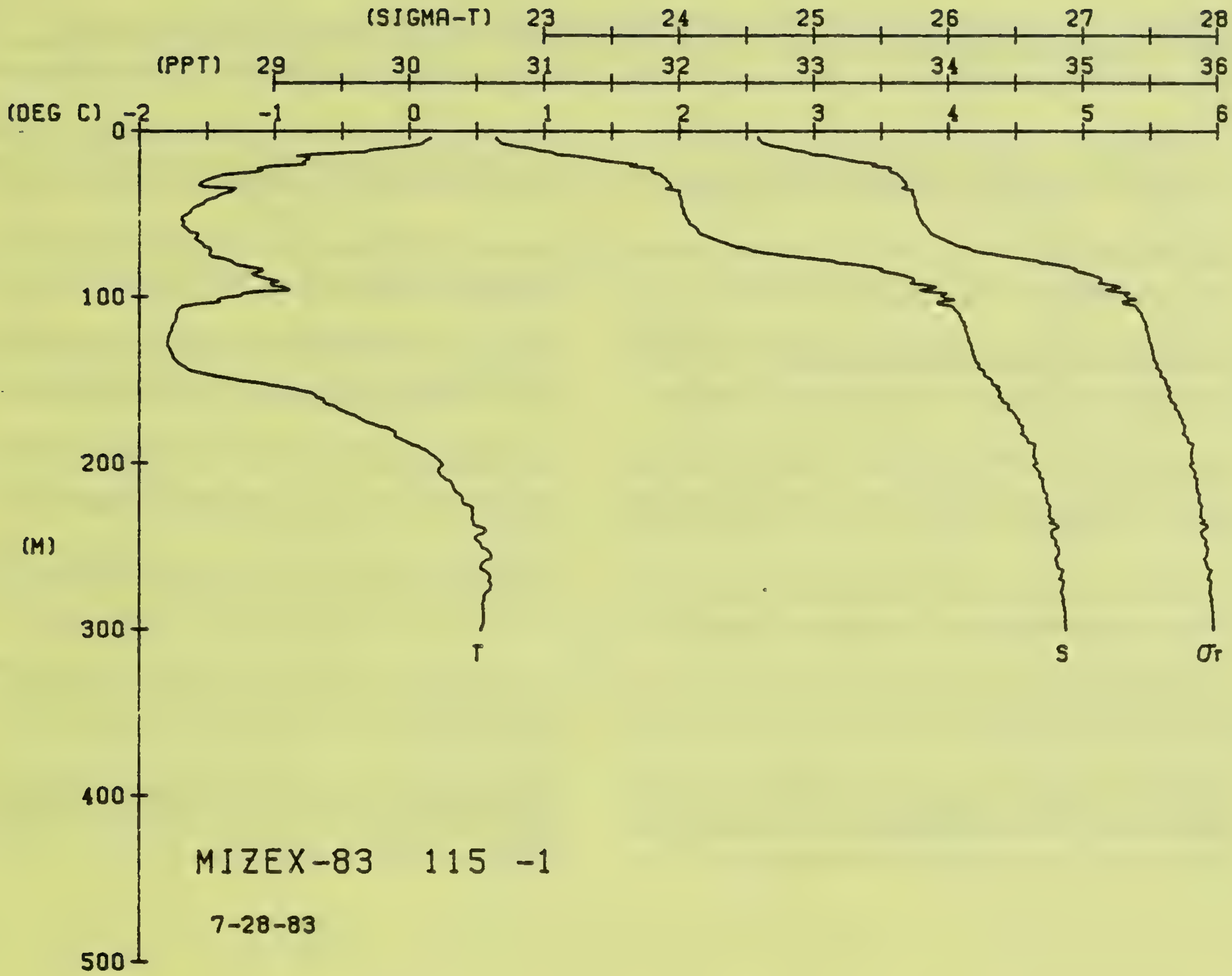
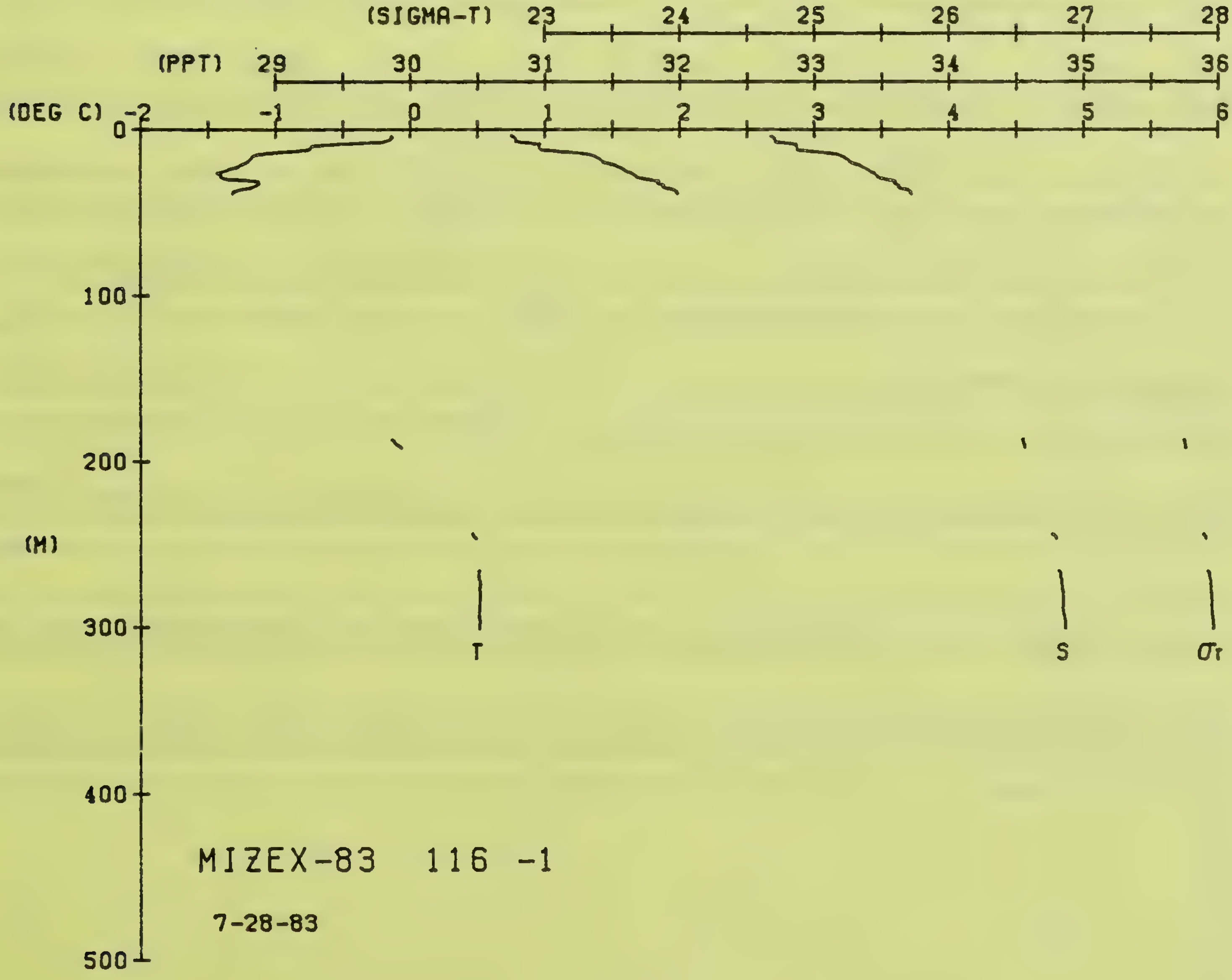


MIZEX-83 115 -1

7-28-83



MIZEX-83 116 -1

7-28-83

C

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MIZEX-83 STATION 117(1) CTD  28/JUL/1983 1813 GMT  CODE = 1
LAT = 78.4250N LNG =   4.3233W LTER =   150. LGER =   150.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

 DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

   0.0  -0.71  -0.71   31.00   24.91   303.8   *****   1440.4
   3.4  -0.71  -0.71   31.00   24.91   303.7   *****   1440.5
   5.0  -0.73  -0.73   31.01   24.91   303.2   *****   1440.4
  10.0  -1.19  -1.19   31.51   25.33   263.3   *****   1439.1
  15.0  -1.11  -1.11   32.20   25.89   209.9   *****   1440.5
  20.0   0.42   0.42   32.89   26.38   163.1   *****   1448.6
  25.0   1.51   1.50   33.24   26.60   143.1   *****   1454.1
  30.0  -0.67  -0.67   33.29   26.75   128.1   *****   1444.3
  35.0  -0.77  -0.78   33.86   27.22    83.8   *****   1444.7
  40.0  -1.24  -1.24   34.08   27.41    65.4   *****   1442.9
  45.0  -1.25  -1.25   34.16   27.48    59.0   *****   1443.1
  50.0  -1.17  -1.17   34.20   27.52    55.7   *****   1443.6
  55.0  -0.93  -0.94   34.34   27.61    46.5   *****   1445.0
  60.0  -0.48  -0.48   34.45   27.69    39.5   *****   1447.3
  65.0   0.28   0.28   34.56   27.73    35.4   *****   1451.0
  70.0   1.33   1.33   34.74   27.81    28.2   *****   1456.1
  75.0   1.32   1.32   34.66   27.75    34.0   *****   1456.0
  80.0   1.31   1.31   34.64   27.73    35.6   *****   1456.0
  85.0   1.15   1.15   34.65   27.75    33.7   *****   1455.4
  90.0   0.87   0.86   34.67   27.79    30.0   *****   1454.3
  95.0   0.77   0.77   34.69   27.81    28.1   *****   1454.0
 100.0   1.70   1.69   34.80   27.83    26.3   *****   1458.3
 110.0   1.84   1.84   34.82   27.84    25.7   *****   1459.1
 120.0   1.98   1.98   34.86   27.86    24.2   *****   1460.0
 130.0   1.81   1.81   34.84   27.86    23.7   *****   1459.4
 140.0   0.69   0.68   34.74   27.86    23.9   *****   1454.4
 150.0   0.69   0.69   34.81   27.91    18.7   *****   1454.7
 160.0   0.88   0.87   34.80   27.89    20.4   *****   1455.7
 164.8   0.87   0.86   34.82   27.91    19.1   *****   1455.7
 170.0
 180.0
 190.0
 200.0
 204.5   0.74   0.73   34.82   27.92    18.0   *****   1455.8
 210.0   0.70   0.69   34.82   27.92    17.6   *****   1455.7
 220.0   0.75   0.74   34.83   27.93    17.5   *****   1456.1
 230.0   0.72   0.71   34.83   27.93    17.0   *****   1456.2
 240.0   0.72   0.71   34.84   27.94    16.3   *****   1456.3
 250.0   0.69   0.68   34.85   27.94    15.8   *****   1456.4
 260.0   0.75   0.73   34.86   27.95    15.6   *****   1456.8
 270.0   0.83   0.81   34.87   27.96    14.8   *****   1457.3
 280.0   1.28   1.26   34.92   27.96    14.7   *****   1459.6
 290.0   1.28   1.27   34.91   27.96    15.1   *****   1459.8
 300.0   1.26   1.24   34.91   27.96    15.0   *****   1459.8
 310.0   1.27   1.25   34.92   27.97    14.3   *****   1460.1
 320.0   1.36   1.35   34.95   27.98    12.9   *****   1460.7
 330.0   1.34   1.32   34.93   27.97    14.1   *****   1460.7
 340.0   1.31   1.29   34.94   27.97    13.7   *****   1460.7
 350.0   1.18   1.17   34.93   27.97    13.7   *****   1460.3
 360.0   1.12   1.10   34.91   27.97    14.4   *****   1460.2
 370.0   1.02   1.00   34.91   27.97    13.5   *****   1459.9
 380.0   0.93   0.91   34.91   27.97    13.3   *****   1459.7
 390.0   0.99   0.97   34.92   27.98    12.8   *****   1460.1
 400.0   1.13   1.11   34.94   27.99    12.6   *****   1461.0
 410.0   1.13   1.11   34.93   27.98    12.8   *****   1461.1
 420.0   1.03   1.01   34.92   27.98    13.0   *****   1460.8
 430.0   0.89   0.87   34.92   27.99    12.2   *****   1460.4
 440.0   0.67   0.65   34.90   27.98    12.2   *****   1459.5
 450.0   0.54   0.52   34.88   27.98    12.4   *****   1459.1
 460.0   0.43   0.41   34.88   27.98    12.1   *****   1458.7
 470.0   0.41   0.39   34.88   27.99    11.7   *****   1458.8
 480.0   0.43   0.41   34.88   27.99    11.6   *****   1459.1
 490.0   0.42   0.40   34.89   27.99    11.1   *****   1459.2
 500.0   0.41   0.39   34.89   28.00    10.9   *****   1459.3

                       DEPTH      TEMP.      SALIN
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MIZEX-83 STATION 118(1) CTD  28/JUL/1983 1854 GMT  CODE = 1
LAT = 78.4267N LNG =   3.8167W LTER =   150. LGER =   150.
AIR TEMP =   0.0 BAROM =    0.0 WIND =   0.0 SPEED =   0.0

DEPTH   TEMP   PTEMP   SALIN   SIG T   SPVOL   DYNHT   SOUND

  0.0  -0.63  -0.63   31.12   24.99   295.3   0.000   1441.0
  3.9  -0.63  -0.63   31.12   24.99   295.2   0.012   1441.1
  5.0  -0.73  -0.73   31.34   25.18   277.5   0.015   1440.9
 10.0  -0.71  -0.71   31.56   25.35   261.0   0.028   1441.4
 15.0  -0.68  -0.68   33.12   26.62   140.7   0.039   1443.8
 20.0   1.01   1.01   34.56   27.69    39.2   0.043   1453.6
 25.0   3.55   3.55   34.34   27.30    76.1   0.046   1464.5
 30.0   1.04   1.04   34.56   27.69    39.6   0.049   1453.9
 35.0   0.53   0.53   34.40   27.59    48.9   0.051   1451.5
 40.0   0.20   0.19   34.51   27.70    38.6   0.053   1450.2
 45.0   0.59   0.59   34.56   27.72    36.8   0.055   1452.1
 50.0  -0.04  -0.04   34.55   27.74    34.3   0.057   1449.3
 55.0  -0.06  -0.07   34.56   27.75    33.6   0.059   1449.3
 60.0   0.00  -0.01   34.57   27.76    32.8   0.061   1449.7
 65.0   0.02   0.02   34.57   27.76    32.8   0.062   1449.9
 70.0   0.10   0.10   34.59   27.77    31.6   0.064   1450.4
 75.0   0.49   0.49   34.63   27.78    30.9   0.065   1452.3
 80.0   0.65   0.64   34.65   27.79    30.5   0.067   1453.1
 85.0   0.60   0.60   34.66   27.79    29.6   0.068   1453.0
 90.0   0.52   0.51   34.65   27.80    29.5   0.070   1452.7
 95.0   0.86   0.86   34.72   27.83    26.1   0.071   1454.4
100.0   1.18   1.17   34.73   27.82    27.5   0.073   1455.9
110.0   0.71   0.70   34.72   27.84    25.5   0.075   1453.9
120.0   0.81   0.81   34.76   27.86    23.1   0.078   1454.6
130.0   0.58   0.57   34.74   27.87    23.0   0.080   1453.7
140.0   0.44   0.44   34.75   27.88    21.5   0.082   1453.3
150.0   0.57   0.57   34.78   27.89    20.4   0.085   1454.1
160.0   0.60   0.60   34.80   27.91    18.9   0.087   1454.4
170.0   0.64   0.63   34.80   27.91    19.2   0.088   1454.7
180.0   0.59   0.58   34.80   27.91    18.8   0.090   1454.7
190.0   0.62   0.61   34.81   27.92    18.2   0.092   1455.0
200.0   0.67   0.67   34.82   27.92    18.0   0.094   1455.4
210.0   0.62   0.61   34.82   27.92    17.5   0.096   1455.3
220.0   0.56   0.55   34.83   27.93    16.5   0.098   1455.3
230.0   0.56   0.55   34.83   27.93    16.5   0.099   1455.4
240.0   0.57   0.56   34.83   27.94    16.3   0.101   1455.7
250.0   0.58   0.56   34.84   27.95    15.4   0.103   1455.8
260.0   0.58   0.57   34.85   27.95    15.2   0.104   1456.0
270.0   0.61   0.60   34.84   27.95    15.6   0.106   1456.3
280.0   0.66   0.65   34.87   27.96    14.4   0.107   1456.8
290.0   0.65   0.63   34.86   27.95    14.9   0.109   1456.8
300.0   0.75   0.73   34.87   27.96    14.8   0.110   1457.5
310.0   0.81   0.80   34.88   27.96    14.3   0.112   1458.0
320.0   0.91   0.90   34.92   27.98    12.2   0.113   1458.6
330.0   1.04   1.02   34.91   27.97    13.4   0.114   1459.4
340.0   0.89   0.88   34.90   27.97    13.6   0.116   1458.8
350.0   0.91   0.90   34.91   27.98    13.0   0.117   1459.1
360.0   0.86   0.84   34.90   27.98    13.1   0.118   1459.0
370.0   0.96   0.94   34.91   27.98    13.3   0.120   1459.7
380.0   0.85   0.84   34.91   27.98    12.8   0.121   1459.3
390.0   0.85   0.83   34.91   27.98    12.4   0.122   1459.5
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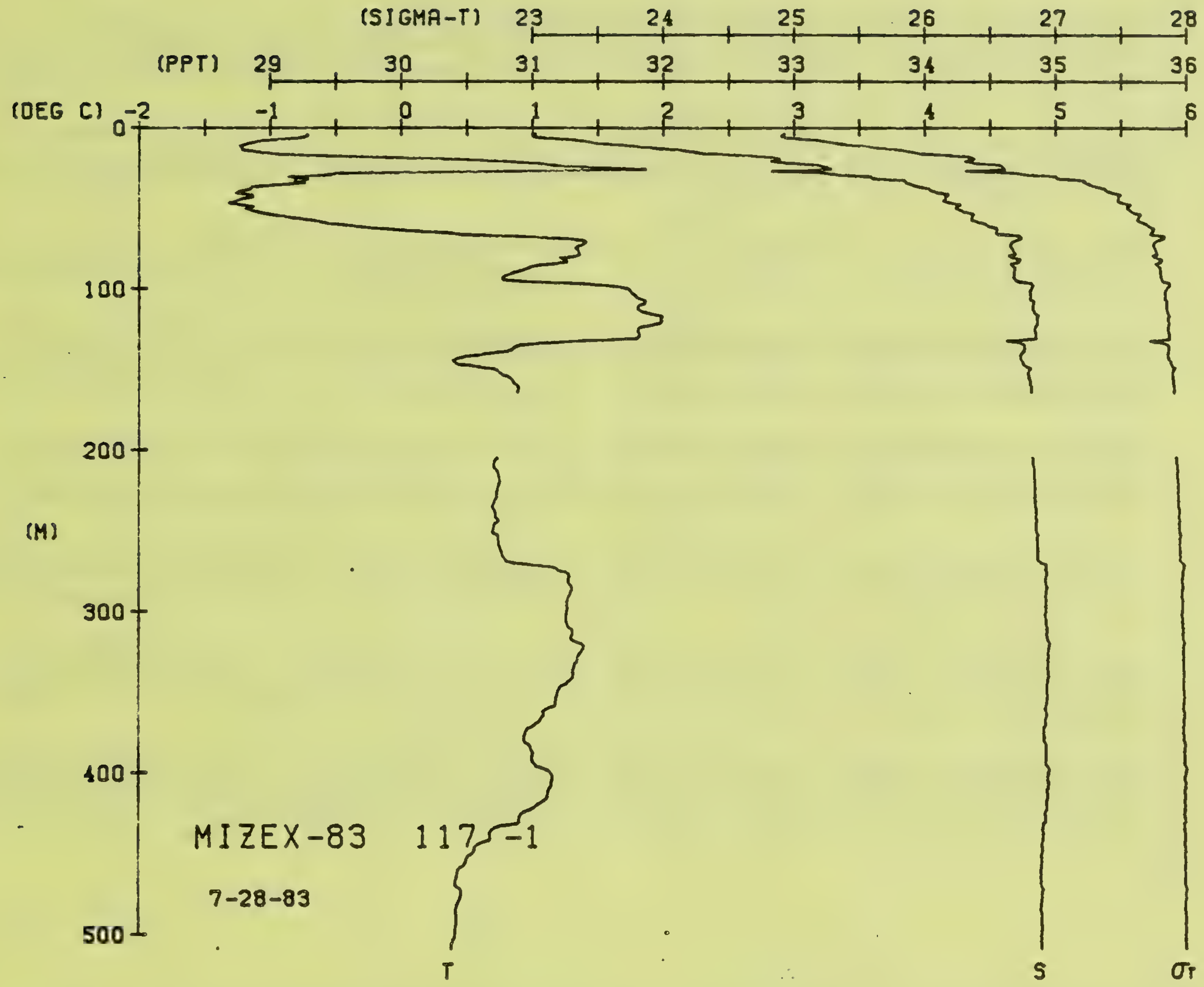
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7-28-83
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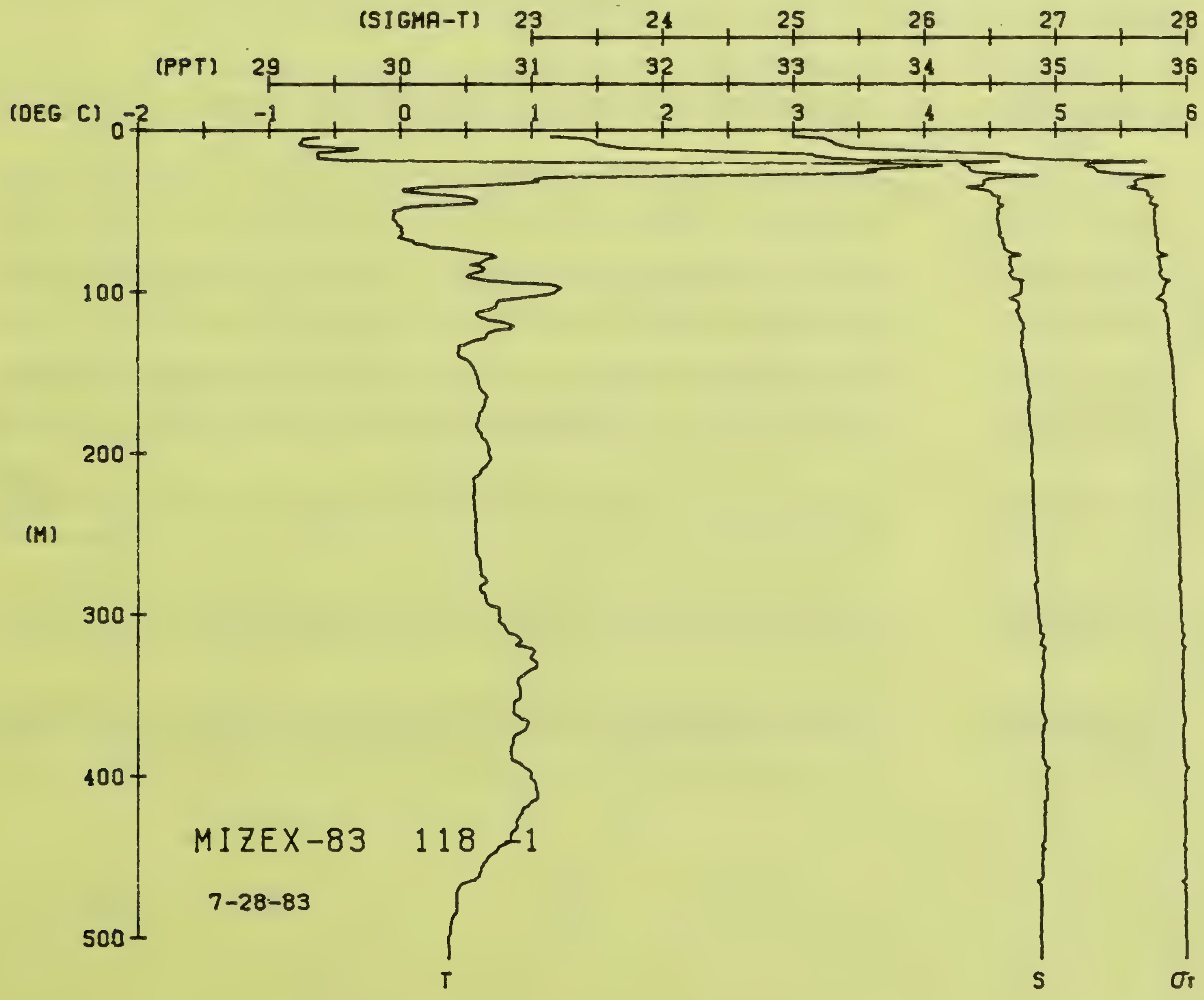
σT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7-28-83
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   1.9    1.77   1.77   31.81   25.43   254.0   *****   1452.9
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  95.0    2.55   2.54   34.93   27.87    23.0   *****   1462.1
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                        DEPTH      TEMP.      SALIN
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                        DEPTH      TEMP.      SALIN
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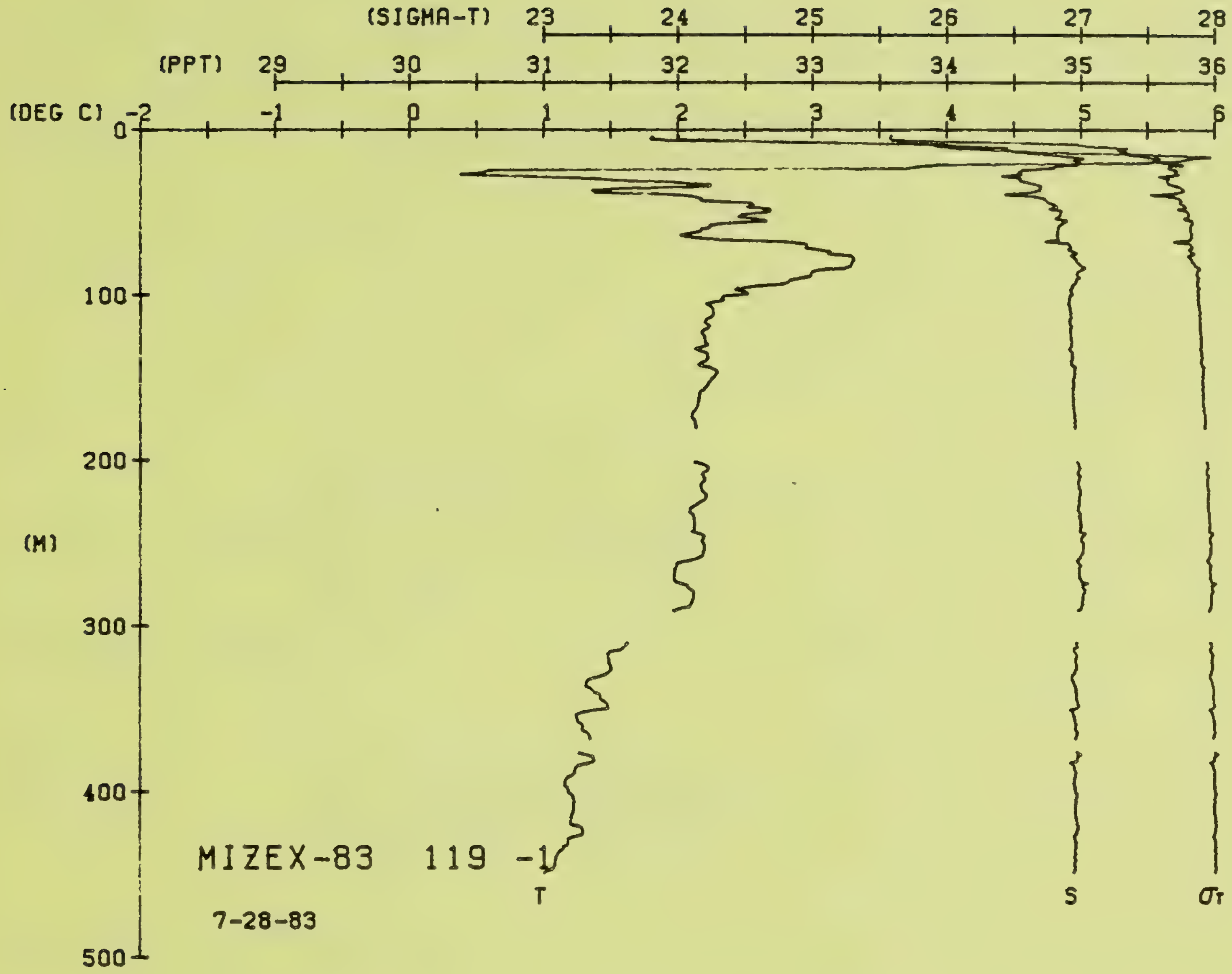
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MIZEX-83 119 -1
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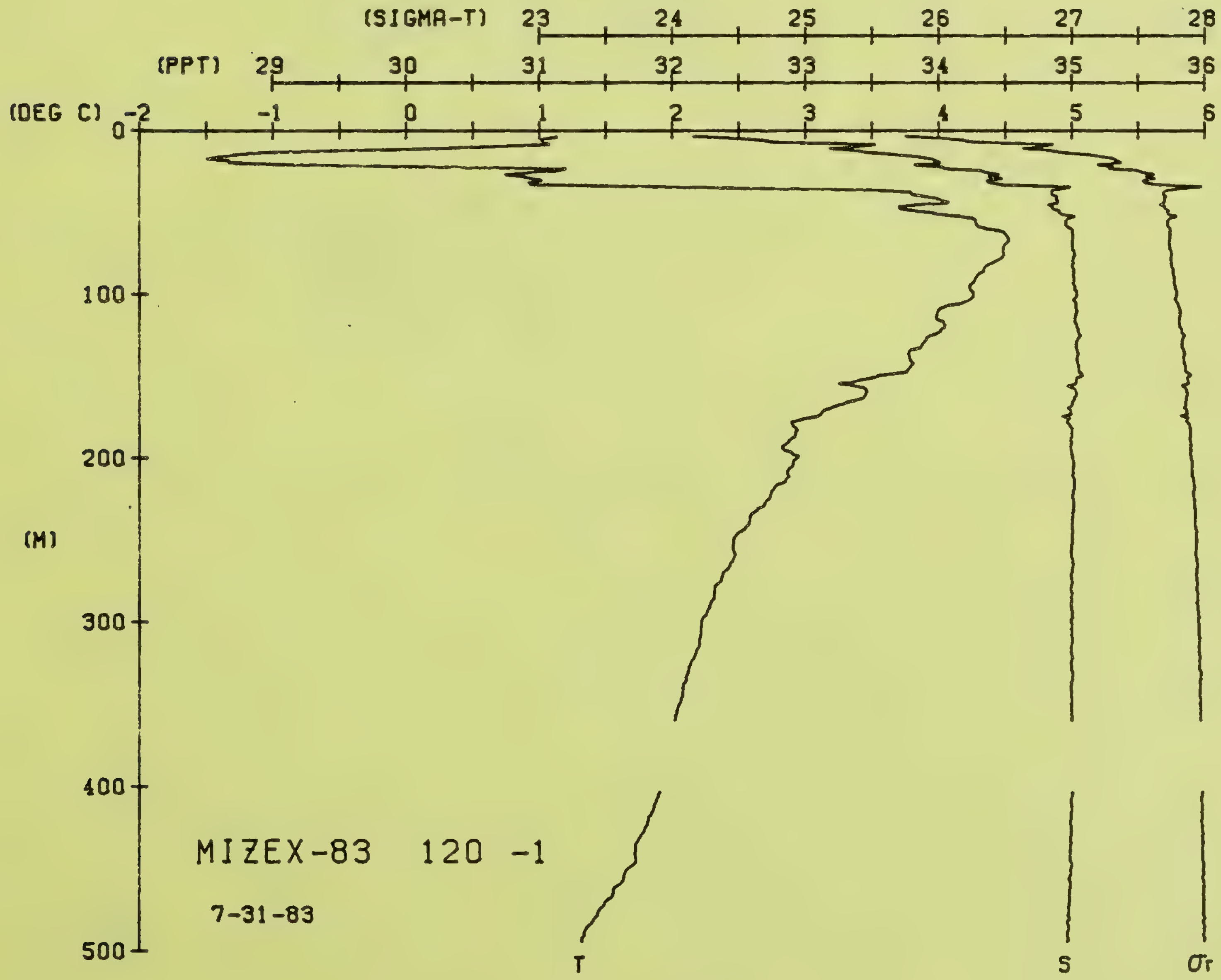
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MIZEX-83 120 -1
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| 7. AUTHOR*(s)* | | 8. CONTRACT OR GRANT NUMBER*(s)*<br>N00014-76-C-0004 |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS<br>Lamont-Doherty Geological Observatory<br>of Columbia University<br>Palisades, NY 10964 | | 10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS |
| 11. CONTROLLING OFFICE NAME AND ADDRESS<br>Office of Naval Research<br>Arctic Programs, Code 428 AR<br>Arlington, VA 22217 | | 12. REPORT DATE<br>September 1984<br>13. NUMBER OF PAGES |
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MIZEX 83, conductivity, temperature, STD profiles, Fram Strait

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

During the 1983 Marginal Ice Zone Experiment (MIZEX 83) located in the Fram Strait, both ship and Helicopter-based C/STD's were used to define the finescale and larger oceanographic structures within the operational area. This technical report outlines the acquisition and data reduction programs for the 120 helicopter-based stations taken during that time period.

Very little manipulation was done to the data to finalize it, since both helicopter C/STD's showed very little deviation from pre- and post-cruise

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE
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SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)* calibrations. The only exception was the calibration equation offsets for conductivity on both instruments. For these offset determinations, bottle and intercalibration data were used to define the coefficients. Response time of the temperature sensor was corrected for thermal lag constant (τ) until descending and ascending parts of the cast on a T-S diagram were nearly congruent.

Standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity are given for each cast along with plotted profiles of temperature, salinity and sigma-t.

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